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# SURFACE OBSERVATION CLIMATIC SUMMARIES

FCR

## DUGWAY PROVING GROUNDS, UT

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



AUGUST 1990

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JOSEPH L. BOYTE  
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

.....  
WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER

REPORT DOCUMENTATION PAGE

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- 12a. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, DUGWAY PROVING GROUNDS UTAH. CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCs (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCs NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFC SUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCs." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAY 60 - DEC 70, JAN 73 - JUN 76, JAN 84 - APR 90 (AIRWAYS).

SUMMARY OF DAY DATA: JUN 43 - JAN 46, DEC 49 - FEB 67 (FULL TIME).

SUMMARY OF DAY DATA: MAR 67 - JUN 76, JUL 84 - APR 90 (PART TIME - CLOSED WEEKENDS).

HOURS SUMMARIZED: 00 - 23 LST (EXCEPT VARIABLE HOURS 6703-7606 AND 06-17 LST 8401-9004).

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART 7. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAK	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1958

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	TALL S.W.N	WMO NMNR
690110	DUGWAY PG/MICHAEL AAF, UT	N 40 12	W 112 56	4351	KDPG	69011

  

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nمبر of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Dugway PG, UT	AAF	Jun 43	Dec 43	N 40 11	W 112 56	4332	4346	24
2	Same	Same	Jan 44	Jan 46	Same	Same	4338	4341	24
3	Same	Same	Dec 49	Mar 53	N 40 10	W 113 00	4359	4344	24
4	Same	Same	Apr 53	Mar 55	N 40 11	W 112 56	Same	Same	24
5	Dugway PG/Michael AAF, UT	Same	Apr 55	Feb 57	Same	Same	Same	4346	24
6	Same	Same	Mar 57	Feb 65	Same	Same	Same	4356	24
7	Same	Same	Mar 65	Feb 67	Same	Same	Same	4359	24
8	Same	Same	Mar 67	Nov 76	Same	Same	Same	Same	14
9	Same	Same	Dec 76	May 84	N 40 12	Same	4351	Same	13
10	Same	Same	Jun 84	Sep 86	Same	Same	4350	Same	13
11	Same	Same	Oct 86	Jul 90	Same	Same	4351	Same	13

  

Nمبر of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 43	On Bldg 21 over wea stn	Anemometer	None	33 ft	
2	Jan 44	On S end BaseOps bldg	Same	None	24 ft	
3	Jul 45	Same	Same	None	54 ft	
4	Dec 49	Atop weather station	Friez	Aerovane	28 ft	
5	Apr 55	Same	Same	Same	30 ft	
6	Mar 58	Same	Same	Same	36 ft	
7	Mar 65	Atop Bldg 4126	AM/GMQ-11	RO-2	40 ft	
8	Oct 66	Same	Same	Same	27 ft	
9	Jul 90	Unkn	Unkn	Unkn	Unkn	



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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW RAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIR	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBS TO VSN	TOTAL NO. OF OBS
00-02		.8	.6	4.3		5.7	9.2	.6		.2	15.7	651
03-05		.4	.1	6.0		6.5	8.7	.4	.3		15.9	734
06-08		.9	.5	5.8		7.2	10.0	.2	.1		17.5	1436
09-11		1.4	.1	7.3		8.8	10.9	.3	.1		20.2	1474
12-14		1.3		5.9		7.2	8.4	.6	.3	.1	16.5	1460
15-17		1.2		3.9		5.1	5.9	.7		.8	12.6	1179
18-20		.1		3.8		3.9	5.5	.1	.1	.8	10.5	744
21-23		.5	.6	4.8		5.8	8.1	.8	.3	.5	15.5	651
ALL HOURS		.9	.2	5.4		6.6	8.6	.5	.2	.3	16.1	8329

MONTH: FEB

00-02		1.4		2.5		3.9	3.0				6.9	591
03-05		1.7		4.1		5.8	5.2	.2	.3		11.5	652
06-08		1.7		5.3		7.1	6.8	.2	.1	.1	14.3	1317
09-11		2.9		6.3		9.2	6.9	.2		.2	16.5	1356
12-14		2.2		5.5		7.7	3.6	.6	.1	.3	12.3	1337
15-17	.4	2.9		2.9		5.7	2.5	.6	.1	.7	9.7	1079
18-20		3.7		2.1		5.8	1.3			.3	7.4	678
21-23		2.2		2.0		4.2	.7				4.9	591
ALL HOURS	.1	2.4		4.3		6.7	4.2	.3	.1	.2	11.5	7601

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02		2.7		2.9		5.6	.8				6.4	591
03-05		1.0		2.9		3.9	2.0		.1	.1	6.2	693
06-08		2.3		3.6		5.9	2.5		.3	.1	8.8	1466
09-11	.1	1.8		4.1		5.9	1.8	.1		2	8.0	1519
12-14		2.1		4.1	.1	6.2	1.4	.1	.1	.9	8.6	1473
15-17	.3	2.6		4.0		6.6	1.0	.1	.1	.9	8.6	1206
18-20		2.4		3.2		5.6	.8		.3	2.3	9.0	744
21-23		3.2		3.1		6.3	1.5		.8	.3	9.0	590
ALL HOURS	.1	2.2		3.6	.0	5.9	1.6	.0	.2	.6	8.2	8282

MONTH: APR

00-02		4.8		1.9		6.7	.4		.4	.7	8.1	540
03-05		3.5		2.4		5.9	.1		.1		6.2	744
06-08	.1	4.0		3.3		7.2	1.3	.1		.1	8.7	1438
09-11		3.7		3.4		7.1	1.3		.1	.3	8.8	1483
12-14	.4	5.0		3.6		8.6	1.0			.8	10.5	1443
15-17	.3	5.0		1.8		6.8	1.1			2.0	9.9	1101
18-20	1.1	6.1		2.6		8.8	1.7			1.9	12.4	720
21-23		4.6		1.9		6.5	2.0				8.5	540
ALL HOURS	.2	4.5		2.8		7.3	1.1	.0	.0	.7	9.3	8009

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02		3.1		.5		3.5				.3	3.8	651
03-05	.1	2.4		.5		2.9	.2				3.1	873
06-08		3.9		.6		4.5	.3				4.8	1528
09-11	.2	4.5		.5		4.9	.5			.1	5.4	1524
12-14	1.2	4.4		.6	.1	5.1	.2			.2	5.5	1461
15-17	2.4	5.1		.5		5.5	.2			.9	6.6	1101
18-20	1.8	5.5		.5		6.0				1.1	7.0	837
21-23		4.5		.2		4.6				.9	5.5	651
ALL HOURS	.7	4.2		.5	.0	4.7	.2			.4	5.3	8626

MONTH: JUN

00-02	.6	4.1				4.1	.2			.2	4.4	630
03-05	.1	4.2				4.2	.2				4.5	853
06-08	.2	3.3			.1	3.4	.5			.1	4.0	1500
09-11	.3	3.1				3.1	.2				3.3	1505
12-14	2.0	3.9				3.9	.1			.1	4.0	1437
15-17	3.8	5.2				5.2	.2			.7	6.1	1067
18-20	2.5	5.1				5.1		.1		.2	5.4	810
21-23	.3	3.0				3.0					3.0	630
ALL HOURS	1.2	3.9			.0	3.9	.2	.0		.1	4.3	8432

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02		.9				.9					.9	651
03-05	.1	1.3				1.3					1.3	850
06-08	.3	.8				.8					.8	1468
09-11	.1	.9				.9					.9	1486
12-14	1.3	1.8				1.8					1.8	1412
15-17	3.9	2.6				2.6				.1	2.7	1074
18-20	2.7	3.1				3.1					3.1	837
21-23	1.2	1.5				1.5					1.5	651
ALL HOURS	1.2	1.6				1.6				.0	1.6	8429

MONTH: AUG

00-02	1.2	2.0				2.0					2.0	651
03-05	.8	1.6				1.6					1.6	850
06-08	.7	1.1				1.1				.1	1.2	1477
09-11	.1	1.2				1.2					1.2	1496
12-14	1.2	1.4				1.4				.1	1.5	1428
15-17	4.9	3.2				3.2					3.2	1076
18-20	5.6	4.4				4.4				.5	4.9	810
21-23	2.6	3.7				3.7					3.7	651
ALL HOURS	1.9	2.1				2.1				.1	2.2	8439

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 61  
MONTH: SEP

HOURS (LST)	TOTHS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02	.8	1.7				1.7					1.7	630
03-05	1.7	2.9				2.9					2.9	814
06-08	.9	3.1				3.1	.1			.1	3.3	1392
09-11	.4	3.1				3.1	.1				3.2	1394
12-14	1.2	3.1				3.1				.1	3.1	1334
15-17	2.5	2.5				2.5				.1	2.6	1013
18-20	.8	2.3				2.3				.3	2.6	780
21-23	.8	2.2				2.2				.3	2.5	630
ALL HOURS	1.1	2.7				2.7	.0			.1	2.9	7987

MONTH: OCT

00-02	.6	3.4				3.4	.2				3.5	651
03-05		1.8		.2		2.1	.5				2.6	823
06-08	.2	3.2		.6		3.7	1.2			.1	5.0	1451
09-11	.1	2.7		.7		3.4	.8				4.1	1450
12-14	.9	3.1		.8	.1	3.9	.9			.4	5.2	1395
15-17	.5	3.8		.1		3.9	.6			.5	5.0	1077
18-20	.1	2.8		.5		3.3	.2				3.6	813
21-23	.2	2.3		.3		2.6	.2				2.8	651
ALL HOURS	.3	2.9		.5	.0	3.4	.7			.1	4.2	8311

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02	.3	3.7		2.1		5.7	1.6				7.3	630
03-05		3.2		1.7		4.9	2.8	.3			8.0	709
06-08		3.2		2.9		6.1	2.8	.2			9.1	1325
09-11		1.9	.1	3.5		5.4	2.8				8.2	1358
12-14		2.4		2.4		4.8	1.4			.5	6.6	1333
15-17		2.8		1.4		4.2	.8			.4	5.4	1065
18-20		3.6		1.8		5.4	1.8				7.2	777
21-23		2.5		2.2		4.8	2.1				6.8	630
ALL HOURS	.0	2.8	.0	2.4		5.2	2.0	.1		.1	7.4	7827

MONTH: DEC

00-02		.9		7.4		8.3	15.7	.2			24.1	651
03-05		1.2		7.1		8.3	16.7	.7			25.7	735
06-08	.2	1.3	.2	7.8		9.4	17.2	1.1		.2	27.8	1304
09-11	.1	1.9		9.9		11.9	15.5	1.0	.1		28.5	1340
12-14		2.3		6.1		8.4	8.5	.5	.1		17.6	1327
15-17		2.3		5.0		7.2	5.7	.6	.1	.2	13.8	1105
18-20		2.0		5.0		7.0	8.3	.4			15.7	744
21-23		2.5		6.0		8.4	10.1	.5			19.0	651
ALL HOURS	.1	1.8	.0	7.0		8.8	12.2	.7	.0	.1	21.9	7857

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OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
JAN		.9	.2	5.4		6.6	8.6	.5	.2	.3	16.1	8329
FEB	.1	2.4		4.3		6.7	4.2	.3	.1	.2	11.5	7601
MAR	.1	2.2		3.6	.0	5.9	1.6	.0	.2	.6	8.2	8282
APR	.2	4.5		2.8		7.3	1.1	.0	.0	.7	9.3	8009
MAY	.7	4.2		.5	.0	4.7	.2			.4	5.3	8626
JUN	1.2	3.9			.0	3.9	.2	.0		.1	4.3	8432
JUL	1.2	1.6				1.6				.0	1.6	8429
AUG	1.9	2.1				2.1				.1	2.2	8439
SEP	1.1	2.7				2.7	.0			.1	2.9	7987
OCT	.3	2.9		.5	.0	3.4	.7			.1	4.2	8311
NOV	.0	2.8	.0	2.4		5.2	2.0	.1		.1	7.4	7827
DEC	.1	1.8	.0	7.0		8.8	12.2	.7	.0	.1	21.9	7857
ANNUAL	.6	2.7	.0	2.2	.0	4.9	2.5	.1	.0	.2	7.8	98129

A - 2 - 7



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4912-7606, 8407-9006  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.2	9.5	1.4	25.5	.1	31.0	18.3	1.9	1.4	.5	37.7	860
FEB	.4	13.5	.3	21.9	.5	30.7	14.4	1.8	1.1	.4	35.3	787
MAR	.7	18.6		19.7	.6	30.7	7.3	.2	1.4	1.1	31.8	849
APR	2.4	24.5		10.9	.8	29.7	5.6	.1	.2	1.7	30.7	824
MAY	7.7	27.9		2.0	1.2	28.2	1.6	.6		1.4	29.5	804
JUN	7.2	21.6			1.2	21.6	1.1	.1		.2	21.8	816
JUL	11.9	17.7			.1	17.7		.1		.1	18.0	824
AUG	13.1	19.6			.1	19.6	.1			.6	20.1	846
SEP	5.9	16.6		.3	.6	16.6	.6	.4		.5	17.2	793
OCT	2.8	14.3		2.9	.6	15.2	2.9			.5	15.7	820
NOV	.6	13.2		11.7	.3	21.3	8.0	.4		.6	24.8	778
DEC	.5	12.2	.4	25.7	.4	34.1	24.1	1.8	1.0	.1	45.1	812
ANNUAL	4.5	17.4	.2	10.1	.6	24.8	7.0	.6	.4	.6	27.3	9813

A - 3 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02						.6		1.2	.8	.6	.3	
03-05					.1	.1	.1	.8	1.7			
06-08				.1		.2	.3	.7	.9	.2		.2
09-11			.1		.2	.3	.1	.1	.4	.1		.1
12-14				.4	1.2	2.0	1.3	1.2	1.2	.9		
15-17		.4	.3	.3	2.4	3.8	3.9	4.9	2.5	.5		
18-20				1.1	1.8	2.5	2.7	5.6	.8	.1		
21-23						.3	1.2	2.6	.8	.2		
ALL HOURS		.1	.1	.2	.7	1.2	1.2	1.9	1.1	.3	.0	.1
TOTAL OBS	8329	7601	8282	8000	8626	8432	8429	8439	7987	8311	7827	7857

A - 4 - 1

OPERATING LOCATION: MAH  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	40 OF OBS
TSTMS							
LIQUID PRECIP	5.1		17.7	40.5	22.8	13.9	79
FREEZING PRECIP	33.3			22.2	22.2	22.2	18
FROZEN PRECIP	16.0		16.6	20.1	25.4	21.9	457
FOG	27.6		13.6	14.9	24.2	20.0	711
FOG WITH VIS GE 1/2 MILES	25.8		14.8	16.4	23.5	19.5	493
TOTAL OBS	2008	0	1409	2492	1472	938	8319

MONTH: FEB HOURS: ALL

TSTMS			50.0		50.0		4
LIQUID PRECIP	13.4		22.3	26.3	22.3	15.6	179
FREEZING PRECIP							
FROZEN PRECIP	18.2		19.7	14.5	17.9	29.7	330
FOG	25.2		12.3	19.2	22.7	20.5	317
FOG WITH VIS GE 1/2 MILES	23.6		12.6	15.7	24.8	23.2	254
TOTAL OBS	1497	0	1499	2122	1290	1184	7592

A - 5 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 69C110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OBS
TSTMS			80.0	20.0			5
LIQUID PRECIP	13.2		17.0	17.0	21.4	31.3	182
FREEZING PRECIP							
FROZEN PRECIP	8.9		22.1	8.9	22.8	37.3	303
FOG	19.8		15.3	10.7	16.8	37.4	131
FOG WITH VIS GE 1/2 MILES	22.1		16.3	8.7	16.3	36.5	104
TOTAL OBS	1103	0	1784	2214	1690	1480	8271

MONTH: APR HOURS: ALL

TSTMS			10.5	15.8	63.2	10.5	19
LIQUID PRECIP	5.0		21.4	22.6	24.0	27.0	359
FREEZING PRECIP							
FROZEN PRECIP	7.6		8.9	10.7	32.4	40.4	225
FOG	10.9		8.7	10.9	39.1	30.4	92
FOG WITH VIS GE 1/2 MILES	10.9		8.7	10.9	39.1	30.4	92
TOTAL OBS	824	0	1552	2146	2006	1477	8005

A - 5 - 2

OPERATING LOCATION \*A\*  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OBS
TSTMS			36.5	7.9	33.3	22.2	63
LIQUID PRECIP	5.0		20.2	16.3	32.3	26.2	362
FREEZING PRECIP							
FROZEN PRECIP	2.4		7.3	9.8	39.0	41.5	41
FOG	5.6		5.6	44.4	22.2	22.2	18
FOG WITH VIS GE 1/2 MILES	6.3		6.3	43.8	18.8	25.0	16
TOTAL OBS	1118	0	1708	2107	2270	1420	8423

MONTH: JUN HOURS: ALL

TSTMS	1.9		21.5	14.0	40.2	22.4	107
LIQUID PRECIP	6.7		23.9	17.5	27.0	24.8	326
FREEZING PRECIP							
FROZEN PRECIP							
FOG	11.8		17.6	17.6	23.5	29.4	17
FOG WITH VIS GE 1/2 MILES	12.5		18.8	18.8	18.8	31.3	16
TOTAL OBS	1095	0	1636	1998	2174	1524	8427

A - 5 - 3

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OBS
TSTMS	3.0		26.3	18.2	32.3	20.2	99
LIQUID PRECIP	7.3		32.3	29.8	19.4	11.3	12
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	1163	0	1625	2471	2180	988	8427

MONTH: AUG HOURS: ALL

TSTMS	1.9		30.0	20.0	26.3	21.9	160
LIQUID PRECIP	5.3		27.1	27.1	27.6	12.9	170
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	1237	0	1607	2443	2086	1060	8433

A - 5 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 890110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OBS
TSTMS			20.0	38.9	30.0	11.1	90
LIQUID PRECIP	6.6		34.0	25.5	19.3	14.6	212
FREEZING PRECIP							
FROZEN PRECIP							
FOG			100.0				2
FOG WITH VIS GE 1/2 MILES			100.0				2
TOTAL OBS	1365	0	1541	2165	1798	1113	7982

MONTH: OCT HOURS: ALL

TSTMS	7.1		21.4	17.9	17.9	35.7	28
LIQUID PRECIP	12.9		25.3	19.1	18.7	24.1	241
FREEZING PRECIP							
FROZEN PRECIP	2.6		10.5	7.9	18.4	60.5	38
FOG	9.1		10.9	25.5	27.3	27.3	55
FOG WITH VIS GE 1/2 MILES	10.6		8.5	19.1	31.9	29.8	47
TOTAL OBS	1689	0	1505	2338	1531	1244	8307

A - 5 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OBS
TSTMS					100.0		2
LIQUID PRECIP	8.5		18.8	35.9	21.5	15.2	223
FREEZING PRECIP	100.0						1
FROZEN PRECIP	9.2		18.9	5.9	35.1	30.8	185
FOG	26.4		17.0	18.2	24.5	13.8	159
FOG WITH VIS GE 1/2 MILES	22.4		18.4	18.4	24.8	16.0	125
TOTAL OBS	1670	0	1376	2414	1372	990	7822

MONTH: DEC HOURS: ALL							
TSTMS					100.0		4
LIQUID PRECIP	17.9		18.6	27.6	15.2	20.7	145
FREEZING PRECIP					66.7	33.3	3
FROZEN PRECIP	31.4		12.4	9.9	25.0	21.2	547
FOG	40.2		17.4	16.5	15.1	10.8	961
FOG WITH VIS GE 1/2 MILES	41.6		15.6	15.7	15.9	11.2	712
TOTAL OBS	2111	0	1314	2129	1400	899	7853

A - 5 - 6



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 590110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 119	120 - 180	190 - 299	300 - 359	NO OF OBS	
TSTMS	1.7		26.2	19.6	32.0	20.5	581	
LIQUID PREC'P	8.4		23.1	23.4	23.6	21.4	2602	
FREEZING PRECIP	31.8			18.2	27.3	22.7	22	
FROZEN PRECIP	17.3		15.9	12.4	25.5	28.9	2126	
FOG	30.4		14.9	16.4	20.7	17.6	2463	
FOG WITH VIS GE 1/2 MILES	29.7		14.7	15.8	21.3	18.5	1861	
TOTAL OBS	16880	0	18556	27039	21267	14317	0	98061

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## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	66.7	66.1	64.0	65.0	68.5	74.2	79.0	76.0	81.3	80.4	75.9	63.6	71.8
TRACE	17.1	17.1	18.7	15.0	14.2	11.7	9.4	12.3	7.8	6.5	9.9	18.6	13.2
.01	1.6	2.4	2.0	1.9	2.4	1.8	2.0	1.1	1.7	.7	2.0	2.0	1.8
.02-.05	5.6	6.2	5.5	5.2	4.6	3.7	4.1	4.2	2.8	3.7	3.6	5.6	4.6
.06-.10	4.1	3.1	3.2	4.3	3.1	2.0	2.0	1.6	1.9	3.2	2.5	4.8	3.0
.11-.25	3.5	2.7	4.8	4.9	4.3	3.6	2.2	2.5	1.7	2.7	3.8	3.4	3.3
.26-.50	1.2	1.7	1.2	3.1	2.1	1.9	.7	2.0	1.8	2.0	2.1	1.9	1.8
.51-1.00	.3	.8	.5	.6	.8	1.0	.7	.4	.8	.8	.2	.1	.6
1.01-2.50						.1			.1	.1			.0
2.51-5.00			.1										.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	16.2	16.8	17.3	19.9	17.3	14.1	11.6	11.7	10.9	13.1	14.2	17.8	15.1
TOTAL NO. OF OBSERVATIONS	952	844	911	884	867	892	916	938	881	913	867	892	10757

B - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						TRACE*	.27	.30	.13	1.39	.37	1.03	3.49*
44	.48	.47	1.11	1.75	1.08	1.24	.09	TRACE	.47	.15	.34	.37	1.55
45	.03	.62	1.03	.38	.26	2.46	.08	.89	.25	.80	.75	.07*	1.42*
46	.27												.27*
49												.30*	.30*
50	.31	.24				.37	.31	.02	.95	.56	1.36	.44	4.56*
51	1.03	.30	.35	.94	.42	.25	.68	.48	.10	.32	.75	1.42	7.04
52	1.37	.06	4.86	1.33	.67	.51	.03	.04	.00	.00	.55	.20	9.62
53	.52	.01	.14	.95	.25	.29	1.14	.41	TRACE	.22	.05	.33	4.31
54	.22	.34	1.19	.09	.21	.42	.12	.04	.23	.58	.58	.24	4.26
55	.55	1.38	.02	.25	.53	.79	.32	1.36	.68	.70	.38	.41	7.37
56	1.07	.75	TRACE	.33	.97	.04	.21	TRACE	.11	.68	.03	.39	4.58
57	.87	.01	.30	.81	2.37	.66	.43	.54	.10	.11	.60	.18	6.98
58	.14	1.14	.92	.15	.25	.00	.06	.80	.08	TRACE	.60	.12	4.26
59	.51	.65	.22	.80	1.02	.46	.47	.85	.76	.02	TRACE	.86	6.62
60	.54	.88	.65	.35	.25	.04	.26	.30	.16	.27	.60	.32	4.62
61	TRACE	.20	.48	.24	.39	TRACE	.91	1.32	2.00	1.34	.48	.48	7.84
62	.53	.89	.81	.62	.99	.62	.33	TRACE	.08	.84	.15	.02	5.88
63	.26	.62	.80	1.95	.10	1.79	TRACE	.49	.93	.33	1.48	.32	9.07
64	.19	.21	.56	1.64	1.24	1.82	.11	.12	TRACE	.16	.62	1.60	8.27
65	.44	.46	.34	.77	1.41	.86	.55	1.43	1.67	.42	.42	.53	9.30
66	.28	.34	.17	.17	.44	TRACE	.02	TRACE		.33	.25	1.11	3.27
67	.82	.02	.17	.88	1.12	2.22	.07	.08	.77	.86	.56	.72	3.29
68	.02	1.19	1.16	1.29	.66	1.11	1.22	1.79	.13	.93	.28	1.47	11.25
69	.55	1.33	.16	1.09	.04	.79	.28	.50*	.09*	1.08*	.16*	.20*	6.27*
70	.07*	.60*	.14*	.73*	.11*	.64*	1.68*	.42*	.01*	.40*	.25*	.39*	5.44*
71	.62*	.95*	.10*	1.49*	.84*	1.01*	.00*	.50*	1.29*	1.36*	.55*	.31*	9.02*
72	.10*	.17*	.11*	.64*	.02*	.10*	.01*	.28*	1.29*	1.22*	1.00*	.30*	5.24*
73	.63*	.50*	1.70*	1.04*	.48*	.36*	.27*	.07*	.17*	TRACE*	1.09*	TRACE*	5.91*
74	.77*	.07*	.04*	1.01*	.30*	.00*	.17*	.06*	.00*	.74*	.55*	.17*	3.88*
75	.29*	.03*	1.11*	.47*	1.08*	.34*	.86*	.45*	.16*	.82*	.20*	.72*	6.53*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4712-7606,840 2004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.06*	.96*	.16*	.81*	.96*	TRACE*							2.95*
84							.75*	.02*				.39*	1.16*
85	.40*	TRACE*	.86*	.04*	.39*	.57*	.11*	.15*	.93*	.87*	.23*	.24*	4.79*
86	.11*	.69*	.51*	1.50*	1.41*	.43*	.34*	.93*	.68*	.24*	.15*	TRACE*	6.96*
87	.77*	.15*	.03*	TRACE*				.65*	.23*	.72*	.27*	.15*	2.97*
88	.83*	.07*	.44*	.32*	.06*	.04*	.03*	TRACE*	1.05*	.26*	.73*	.27*	4.10*
89	.12*	.19*	.18*	.02*	.75*	.09*	.09*	.21*	.97*	.70*	TRACE*	.02*	3.34*
90	.14*	.09*	.43*	.05*									.71*

LEAST	TRACE	.01	TRACE	.09	.04	.00	TRACE	TRACE	.00	.00	TRACE	.02	3.27
GREATEST	1.37	1.38	4.86	1.95	2.37	2.46	1.68	1.79	2.00	1.39	1.48	1.60	11.25
MEAN	.48	.55	.73	.80	.70	.76	.35	.51	.44	.50	.51	.60	6.86
MEDIAN	.48	.47	.48	.80	.53	.57	.27	.36	.16	.38	.52	.41	7.94
SD	.357	.433	1.023	.555	.560	.733	.347	.551	.549	.405	.368	.469	2.207
TOTAL OBS	952	844	911	884	867	892	916	938	881	913	867	892	10757

THE GREATEST VALUE OF 4.86 OCCURRED ON 03/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 50% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						TRACE*	.16	.16	.13	.41	.34	.43	.43*
44	.15	.43	.26	.57	.48	.56	.09	TRACE	.47	.09	.12	.27	.57
45	.03	.22	.34	.33	.12	1.15	.04	.46	.18	.30	.28	.03*	1.15*
46	.09												.09*
49												.09*	.09*
50	.17	.10				.37	.09	.02	.43	.35	.41	.13	.43*
51	.42	.28	.19	.26	.09	.15	.59	.25	.10	.18	.19	.54	.59
52	.79	.03	2.84	.48	.35	.36	.02	.03	.00	.00	.19	.10	2.84
53	.35	.01	.08	.52	.14	.28	.68	.23	TRACE	.13	.03	.16	.68
54	.11	.27	.27	.06	.21	.33	.10	.02	.10	.29	.45	.11	.45
55	.33	.51	.02	.17	.21	.57	.23	.57	.58	.60	.14	.11	.60
56	.41	.30	TRACE	.11	.47	.04	.08	TRACE	.03	.37	.03	.21	.47
57	.26	.01	.21	.30	.66	.56	.13	.20	.10	.07	.40	.08	.66
58	.10	.84	.48	.08	.15	.00	.04	.41	.05	TRACE	.20	.04	.84
59	.27	.32	.12	.48	.43	.22	.42	.50	.41	.02	TRACE	.38	.50
60	.19	.23	.30	.16	.16	.02	.12	.30	.08	.20	.31	.22	.31
61	TRACE	.10	.19	.17	.22	TRACE	.91	.71	1.17	1.02	.56	.13	1.17
62	.21	.30	.34	.20	.42	.33	.17	TRACE	.08	.79	.07	.02	.79
63	.22	.31	.30	.81	.10	.69	TRACE	.40	.43	.15	.95	.18	.95
64	.11	.20	.19	.46	.76	.59	.09	.05	TRACE	.10	.33	.43	.76
65	.18	.33	.19	.24	.40	.54	.16	.35	.89	.42	.28	.14	.89
66	.14	.21	.12	.09	.40	TRACE	.01	TRACE	.06	.28	.24	.27	.40
67	.26	.02	.10	.26	.31	.51	.02	.03	.56	.35	.40	.31	.56
68	.02	.55	.46	.43	.20	.41	.62	.36	.13	.61	.10	.40	.62
69	.14	.62	.14	.95	.02	.39	.19	.20*	.07*	.56*	.15*	.11*	.95*
70	.02*	.60*	.12*	.27*	.07*	.23*	.62*	.31*	.01*	.14*	.15*	.31*	.62*
71	.57*	.57*	.07*	.48*	.25*	.39*	.00*	.32*	.77*	.56*	.36*	.10*	.79*
72	.06*	.09*	.04*	.33*	.02*	.04*	.01*	.18*	.55*	.40*	.33*	.22*	.56*
73	.23*	.27*	.67*	.50*	.32*	.17*	.13*	.04*	.12*	TRACE*	.80*	TRACE*	.80*
74	.30*	.05*	.04*	.42*	.30*	.00*	.05*	.06*	.00*	.23*	.37*	.09*	.42*
75	.12*	.03*	.51*	.26*	.39*	.13*	.40*	.42*	.09*	.40*	.11*	.44*	.51*



OPERATING LOCATION 'A'  
USAFETAC, ABNEVILLE MO

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
LST TO UTC: -07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.05*	.30*	.14*	.36*	.77*	TRACE*							.77*
84							.42*	.02*				.30*	.42*
85	.25*	TRACE*	.53*	.03*	.24*	.54*	.03*	.15*	.52*	.28*	.23*	.17*	.54*
86	.08*	.43*	.30*	.47*	.72*	.39*	.32*	.70*	.41*	.18*	.14*	TRACE*	.72*
87	.65*	.05*	.03*	TRACE*				.64*	.23*	.56*	.17*	.08*	.65*
88	.42*	.07*	.21*	.18*	.05*	.04*	.03*	TRACE*	.49*	.26*	.35*	.24*	.49*
89	.12*	.17*	.14*	.02*	.60*	.06*	.09*	.16*	.48*	.62*	TRACE*	.02*	.62*
90	.09*	.05*	.27*	.03*									.27*

GREATEST	.79	.84	2.84	.95	.77	1.15	.91	.71	1.17	1.02	.95	.54	2.84
TOTAL OBS	952	844	911	884	867	892	916	938	881	913	867	892	10757

THE GREATEST VALUE OF 2.84 OCCURRED ON 03/02/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9006  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	73.2	76.8	77.9	87.8	97.3	99.9	100.0	100.0	99.9	97.2	88.9	73.6	89.4
TRACE	14.2	14.1	14.5	8.5	1.7	.1			.1	2.2	6.0	15.3	6.4
0.1-0.4	4.2	3.7	2.4	.9	.1					.2	1.3	3.6	1.4
0.5-1.4	4.8	3.0	3.0	1.5	.3					.4	2.3	4.5	1.7
1.5-2.4	2.1	1.2	1.3	.8	.2						1.0	1.9	.7
2.5-3.4	.9	.7	.2	.3	.1						.2	.7	.3
3.5-4.4	.4	.2	.4	.2	.1							.4	.2
4.5-6.4	.1	.2	.2								.2		.1
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	12.6	9.0	7.6	3.7	.9					.7	5.1	11.1	4.2
TOTAL NO. OF OBSERVATIONS	952	842	910	884	867	891	917	939	881	913	864	891	10751

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OPERATING LOCATION: PA  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						.0*	.0	.0	.0	1.0	TRACE	8.7	9.7*
44	4.8	4.6	9.7	6.0	.0	.0	.0	.0	.0	.0	.3	.8	26.2
45	.3	2.9	9.7	TRACE	.0	.0	.0	.0	.0	.0	3.8	TRACE*	16.7*
46	.9												.9*
49												3.5*	3.5*
50	4.0	1.5				TRACE	.0	.0	.0	.0	1.6	1.0	8.1*
51	7.6	2.8	2.4	TRACE	TRACE	.0	.0	.0	.0	.0	4.8	6.8	24.4
52	5.0	.6	15.6	TRACE	.0	.0	.0	.0	.0	.0	3.3	.3	24.8
53	2.3	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	2.5	4.8
54	2.1	2.7	7.8	TRACE	TRACE	.0	.0	.0	.0	TRACE	.0	1.0	13.6
55	4.8	11.8	.2	2.3	1.1	.0	.0	.0	.0	.0	2.8	2.6	25.6
56	10.0	7.5	TRACE	1.1	.0	.0	.0	.0	.0	.4	.3	2.7	22.0
57	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	9.9
58	1.4	.6	5.6	TRACE	.0	.0	.0	.0	.0	TRACE	5.0	TRACE	12.6
59	.9	6.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	3.4	10.5
60	5.3	6.2	.6	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.1	14.2
61	.0	1.2	.4	TRACE	.0	.0	.0	.0	.0	.6	6.4	3.5	12.1
62	5.6	3.3	2.9	TRACE	.0	.0	.0	.0	.0	.0	.5	.5	12.8
63	3.5	.3	7.6	3.9	.0	.0	.0	.0	.0	.0	8.2	4.9	28.4
64	3.7	2.1	6.2	2.5	3.0	.0	.0	.0	.0	TRACE	3.8	3.1	24.4
65	2.9	4.9	1.4	3.4	6.4	.0	.0	.0	.0	.0	1.2	4.4	24.6
66	6.2	2.3	1.0	TRACE	.0	.0	.0	.0	.0	.4	1.1	6.7	17.7
67	7.6	TRACE	1.2	6.1	.2	.0	.0	.0	.0	.0	1.2	6.6	22.9
68	1.3	5.9	2.3	2.0	.0	.0	.0	.0	.0	.0	TRACE	15.6	27.1
69	1.3	5.1	TRACE	TRACE	.0	.0	.0	.0*	.0*	TRACE*	1.0*	2.0*	9.4*
70	TRACE*	.4*	.5*	7.8*	TRACE*	.0*	.0*	.0*	.0*	.7*	TRACE*	.5*	9.9*
71	8.5*	TRACE*	.9*	TRACE*	TRACE*	.0*	.0*	.0*	TRACE*	1.0*	.0*	2.9*	13.3*
72	1.6*	.2*	TRACE*	2.9*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	5.6*	10.3*
73	5.4*	TRACE*	2.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	5.0*	TRACE*	12.4*
74	4.7*	1.7*	.0*	3.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	.3*	9.7*
75	3.1*	.3*	2.2*	TRACE*	3.0*	.0*	.0*	.0*	.0*	TRACE*	1.1*	6.4*	16.1*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	TRACE*	2.2*	2.2*	.9*	.0*	.0*							5.3*
84							.0*	.0*				4.7*	4.7*
85	3.5*	TRACE*	2.3*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.3*	TRACE*	8.1*
86	.3*	TRACE*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	.4*
87	2.7*	.8*	TRACE*	.0*				.0*	.0*	.0*	1.2*	1.2*	5.9*
88	8.3*	.5*	1.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.2*	2.2*	14.7*
89	1.2*	TRACE*	.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.5*
90	2.0*	1.6*	TRACE*	.0*									3.6*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.8
GREATEST	10.0	11.8	15.6	7.8	6.4	TRACE	.0	.0	TRACE	1.0	8.2	15.6	28.4
MEAN	3.9	3.3	3.5	1.3	.5	TRACE	.0	.0	.0	.1	2.0	3.7	18.9
MEDIAN	3.7	2.8	1.4	TRACE	.0	.0	.0	.0	.0	.0	1.2	2.7	22.0
SD	2.809	2.993	4.355	2.015	1.513	.000	.000	.000	.000	.260	2.387	3.677	7.204
TOTAL OBS	952	842	910	884	867	891	917	939	881	913	864	891	10751

THE GREATEST VALUE OF 15.6 OCCURRED ON 03/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						.0*	.0	.0	.0	1.0	TRACE	2.3	2.3*
44	1.5	4.3	2.6	4.0	.0	.0	.0	.0	.0	.0	.3	.8	4.3
45	.3	2.2	4.2	TRACE	.0	.0	.0	.0	.0	.0	2.8	TRACE*	4.2*
46	.8												.8*
49												.9*	.9*
50	2.5	1.5				TRACE	.0	.0	.0	.0	1.6	1.0	2.5*
51	3.2	2.6	1.4	TRACE	TRACE	.0	.0	.0	.0	.0	1.9	2.5	3.2
52	1.8	.3	4.6	TRACE	.0	.0	.0	.0	.0	.0	1.9	.2	4.6
53	2.3	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.6	2.3
54	1.0	2.7	2.1	TRACE	TRACE	.0	.0	.0	.0	TRACE	.0	1.0	2.7
55	2.9	5.1	.2	1.7	1.1	.0	.0	.0	.0	.0	1.4	1.0	5.1
56	4.1	3.0	TRACE	1.1	.0	.0	.0	.0	.0	.4	.3	1.5	4.1
57	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	2.6
58	1.0	.4	4.8	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	TRACE	4.8
59	.8	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	2.8	3.0
60	1.9	2.3	.6	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.0*	2.3
61	.0	1.0	.2	TRACE	.0	.0	.0	.0	.0	.6	4.6	1.2	4.6
62	2.1	1.3	1.3	TRACE	.0	.0	.0	.0	.0	.0	.5	.5	2.1
63	2.9	.3	4.3	3.0	.0	.0	.0	.0	.0	.0	6.0	3.3	6.0
64	2.1	2.0	2.4	2.0	3.0	.0	.0	.0	.0	TRACE	1.1	1.4	3.0
65	.8	3.1	1.3	1.7	3.7	.0	.0	.0	.0	.0	1.2	2.2	3.7
66	3.6	1.0	1.0	TRACE	.0	.0	.0	.0	.0	.4	1.1	2.2	3.6
67	2.1	TRACE	1.0	2.6	.2	.0	.0	.0	.0	.0	1.2	3.1	3.1
68	1.0	4.7	2.3	1.0	.0	.0	.0	.0	.0	.0	TRACE	4.1	4.7
69	1.0	3.4	TRACE	TRACE	.0	.0	.0	.0*	.0*	TRACE*	1.0*	2.0*	3.4*
70	TRACE*	.4*	.5*	3.5*	TRACE*	.0*	.0*	.0*	.0*	.7*	TRACE*	.5*	3.5*
71	5.7*	TRACE*	.7*	TRACE*	TRACE*	.0*	.0*	.0*	TRACE*	1.0*	.0*	1.0*	5.7*
72	1.0*	.1*	TRACE*	2.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	4.0*	4.0*
73	2.2*	TRACE*	2.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	3.0*	TRACE*	3.0*
74	2.0*	1.1*	.0*	3.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	.3*	3.0*
75	2.0*	.3*	1.1*	TRACE*	2.0*	.0*	.0*	.0*	.0*	TRACE*	1.1*	4.4*	4.4*

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	TRACE*	1.8*	1.9*	.6*	.0*	.0*							1.9*
84							.0*	.0*				3.6*	3.6*
85	2.5*	TRACE*	1.3*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.3*	TRACE*	2.5*
86	.3*	TRACE*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	.3*
87	2.5*	.5*	TRACE*	.0*				.0*	.0*	.0*	1.2*	.8*	2.5*
88	4.2*	.5*	1.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.2*	2.2*	4.2*
89	1.2*	TRACE*	.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.2*
90	1.0*	1.1*	TRACE	.0*									1.1*
.....													
GREATEST	5.7	5.1	4.8	4.0	3.7	TRACE	.0	.0	TRACE	1.0	6.0	4.4	6.0
.....													
TOTAL OBS	952	842	910	884	867	891	917	939	881	913	864	891	10751

THE GREATEST VALUE OF 6.0 OCCURRED ON 11/15/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 38

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	55.9	75.3	89.1	98.3	99.8	100.0	100.0	100.0	100.0	99.7	92.4	69.2	89.9
TRACE	9.6	11.0	6.3	.7						.1	3.1	14.0	3.7
1	14.2	4.8	1.7	.6	.1					.2	1.8	7.3	2.6
2	8.4	4.2	1.3	.3	.1						1.2	4.8	1.7
3	7.6	2.0	.7	.1							.8	1.9	1.1
4-6	4.2	2.6	.8								.6	2.5	.9
7-12	.2	.1	.2								.1	.3	.1
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	34.6	13.7	4.6	1.0	.2					.2	4.5	16.8	6.4
TOTAL NO. OF OBSERVATIONS	952	842	909	881	866	891	917	938	882	913	867	892	10750

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						0*	0	0	0	1	0	4	4*
44	4	6	9	1	0	0	0	0	0	0	1	1	9
45	1	3	4	0	0	0	0	0	0	0	2	0*	4*
46	1												1*
49												1*	1*
50	3	TRACE				0	0	0	0	0	0	1	3*
51	4	2	2	0	0	0	0	0	0	0	1	3	4
52	2	TRACE	4	0	0	0	0	0	0	0	2	2	4
53	1	TRACE	TRACE	0	0	0	0	0	0	0	0	1	1
54	2	2	2	0	0	0	0	0	0	0	0	1	2
55	5	9	9	TRACE	0	0	0	0	0	0	1	2	9
56	2	2	0	TRACE	0	0	0	0	0	TRACE	0	2	2
57	3	2	0	0	0	0	0	0	0	0	4	1	4
58	1	TRACE	4	TRACE	0	0	0	0	0	0	3	0	4
59	1	2	0	0	0	0	0	0	0	0	0	2	2
60	4	3	1	0	0	0	0	0	0	0	0	2	4
61	0	1	TRACE	0	0	0	0	0	0	0	3	2	3
62	3	2	1	0	0	0	0	0	0	0	0	1	3
63	3	0	3	1	0	0	0	0	0	0	1	4	4
64	2	0	2	1	0	0	0	0	0	0	0	1	2
65	1	TRACE	TRACE	1	2	0	0	0	0	0	0	2	2
66	3	2	1	0	0	0	0	0	0	0	0	2	3
67	3	0	TRACE	0	0	0	0	0	0	0	0	7	7
68	1	3	1	1	0	0	0	0	0	0	0	6	6
69	3	3	0	0	0	0	0	0*	0*	0*	1*	1*	3*
70	TRACE*	TRACE*	TRACE*	2*	0*	0*	0*	0*	0*	0*	0*	9*	9*
71	6*	TRACE*	TRACE*	0*	0*	0*	0*	0*	0*	1*	3*	2*	6*
72	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	4*	4*
73	4*	1*	2*	0*	0*	0*	0*	0*	0*	0*	4*	TRACE*	4*
74	3*	1*	0*	3*	0*	0*	0*	0*	0*	0*	0*	TRACE*	3*
75	2*	TRACE*	1*	0*	1*	0*	0*	0*	0*	0*	0*	2*	2*

B - 4 - 2A



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	1*	2*	2*	TRACE*	0*	0*							2*
84							0*	0*				4*	4*
85	4*	3*	1*	0*	0*	0*	0*	0*	0*	0*	7*	1*	7*
86	3*	1*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*	3*
87	3*	1*	0*	0*				0*	0*	0*	TRACE*	1*	3*
88	8*	4*	2*	0*	0*	0*	0*	0*	0*	0*	TRACE*	4*	8*
89	4*	5*	TRACE*	0*	0*	0*	0*	0*	0*	0*	TRACE*	0*	5*
90	1*	1*	TRACE*	0*									1*

GREATEST	8*	9*	9*	3*	2*	0*	0*	0*	0*	1*	7*	9*	9*
TOTAL OBS	952	842	909	881	866	891	917	938	882	913	867	892	10750

THE GREATEST VALUE OF 9 OCCURRED ON 03/15/44

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: 4306-4601, 4912-7606, 8107-9004

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
43 - 44	OCT 19	OCT 19	OCT 19	APR 21	APR 20	APR 16
44 - 45	NOV 24	NOV 24	NOV 24	APR 13	MAR 27	MAR 16
45 - 46	NOV 07	NOV 07	NOV 07	JAN 30	JAN 08	JAN 08
49 - 50	DEC 09	DEC 09	DEC 10	JUN 07	FEB 11	JAN 17
50 - 51	NOV 14	NOV 14	DEC 31	MAY 12	MAR 31	MAR 31
51 - 52	NOV 12	NOV 20	NOV 23	APR 14	MAR 24	MAR 24
52 - 53	NOV 14	NOV 15	NOV 25	MAY 11	JAN 14	JAN 15
53 - 54	OCT 21	DEC 04	DEC 04	MAY 01	MAR 30	MAR 12
54 - 55	OCT 24	DEC 10	DEC 11	MAY 15	MAY 15	MAR 02
55 - 56	NOV 14	NOV 14	NOV 17	APR 02	APR 01	FEB 26
56 - 57	OCT 24	OCT 24	DEC 06	JAN 29	JAN 27	FEB 03
57 - 58	NOV 02	NOV 02	NOV 03	APR 24	MAR 31	MAR 31
58 - 59	OCT 20	NOV 14	NOV 15	APR 18	FEB 24	FEB 24
59 - 60	OCT 29	DEC 21	DEC 31	MAY 18	MAY 14	MAR 14
60 - 61	NOV 04	DEC 02	DEC 03	APR 24	MAR 27	FEB 18
61 - 62	OCT 09	OCT 28	NOV 17	APR 21	MAR 22	MAR 10
62 - 63	NOV 16	NOV 16	DEC 24	APR 27	APR 21	APR 21
63 - 64	NOV 15	NOV 15	NOV 16	MAY 07	MAY 05	APR 05
64 - 65	OCT 29	NOV 10	DEC 09	MAY 08	MAY 08	MAY 08
65 - 66	NOV 25	NOV 25	DEC 23	APR 18	MAR 01	MAR 02
66 - 67	OCT 13	OCT 13	DEC 06	MAY 01	MAY 01	JAN 29
67 - 68	NOV 30	NOV 30	DEC 15	APR 26	APR 21	APR 21
68 - 69	NOV 16	DEC 01	DEC 02	APR 24	FEB 25	FEB 22
69 - 70	OCT 03	NOV 17	NOV 17	MAY 01	APR 29	APR 29
70 - 71	OCT 07	OCT 26	DEC 03	MAY 11	MAR 15	JAN 15
71 - 72	SEP 30	OCT 28	OCT 28	APR 20	APR 20	JAN 28
72 - 73	DEC 04	DEC 04	DEC 04	APR 19	MAR 13	MAR 13
73 - 74	OCT 29	NOV 21	NOV 21	APR 10	APR 10	APR 10
74 - 75	OCT 21	DEC 13	JAN 09	MAY 22	MAY 06	MAY 06
75 - 76	OCT 07	NOV 18	DEC 15	APR 27	APR 16	MAR 02

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
84 - 85	DEC 12	DEC 12	DEC 12	APR 25	MAR 27	MAR 25
85 - 86	OCT 09	NOV 12	NOV 12	MAY 06	JAN 06	FEB 06
86 - 87	NOV 06	NOV 06	JAN 05	MAR 19	FEB 24	FEB 24
87 - 88	NOV 25	NOV 25	DEC 23	MAR 30	MAR 28	MAR 28
88 - 89	NOV 14	NOV 14	DEC 22	MAR 20	MAR 20	FEB 23
89 - 90	NOV 27	JAN 16	JAN 03	MAR 13	FEB 07	FEB 20
MEDIAN-DATE	NOV 05	NOV 16	DEC 04	APR 24	MAR 27	MAR 06

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPP	AA:AAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

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PART C  
SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)  
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.  
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:  
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4503-4512, 5706-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
45			N 25	SE 55	NW 40	NE 43	W 54	NW 48	NNW 52	SW 45	NW 68	SSW*38	NW*68
57						SW*42	S 52	WSW*43	S*31	S*39	NW*36	NNW*45	S*52
58	N*35	S*35	S 53	S 50	SW 42	S 41	S 41	ENE 40	SE 40	NNW 54	NW 36	NNW 35	NNW*54
59	W 37	SSE 44	NNW 50	SSW 40	S 47	NNW 42	NW 62	SE 43	WSW 37	NNE 40	NW 41	NNW 35	NW 62
60	SSE 33	NNW 45	NW 39	S 55	N 40	W 42	WSW 39	NW 46	S 35	N 41	SSE 37	N 30	S 55
61	NNW 26	NW 45	N 43	SW 49	S 50	SSE 50	SSE 38	SW 51	SSE 46	S 51	NW 44	S 41	SW 51
62	S 38	S 39	W 59	S*42	S 52	W 38	W 32	S 37	NW 27	S 37	N 23	NNE 24	W*59
63	NNW 25	WSW 32	S 36	S 37	SSE 30	SSW 30	S 30	S 43	SSW 26	SSW 35	S 27	NW 16	S 43
64	S 46	NNW 35	SSW 28	NNW 40	S 32	NNW 38	WSW 29	S 34	NNW 32	W 35	SW 30	N 43	S 43
65	S 43	W 33	S 26	NNW 42	SSW 36	S 29	WSW 37	S 35	SW 32	NNE 27	S 24	S 21	S 46
66	N 20	NW 27	NW 41	NNW 42	S 40	WSW 52	NNW 47	SSE 39	W 52	N*36	SE 33	SE 38	WSW*52
67	SSE 36	W 43	NW 58	S 81	NNW 30	NNE 58	S 59	W 46	SW 45	S 47	SW 44	SW 45	S 81
68	SW 50	NNW 38	N 45	SSW 42	NNW 62	NW 45	14/ 45	30/ 51	16/ 44	16/ 39	27/ 44	34/ 45	NNW 62
69	18/ 64	20/ 50	34/ 54	17/ 52	02/ 52	03/ 43	24/ 43	19/ 44	21/ 45	19/ 31	16/ 31	34/ 28	18/ 64
70	32/ 35	30/ 29	01/ 40	18/ 49	15/ 33	17/ 38	28/ 34	29/ 34	19/ 39	33/ 34	19/ 40	18/ 35	18/ 49
71	29/ 40	35/ 34	32/ 36	02/ 31	29/ 33	27/ 30	17/ 27	28/ 33	04/ 36	19/ 28	24/ 29	33/ 33	29/ 40
72	29/ 30	29/ 34	31/ 36	24/ 40	28/ 36	19/ 39	30/ 31	26/ 39	18/ 40	36/ 31	31/ 37	31/ 27	24/ 40
73	13/ 27	14/ 19	16/ 28	02/ 37	32/ 40	24/ 30	30/ 37	33/ 32	32/ 40	33/ 43	32/ 54	23/ 26	32/ 54
74	17/ 23	35/ 39	18/ 37	31/ 41	22/ 35	33/ 40	33/ 39	03/ 30	36/ 32	24/ 23	24/ 31	28/ 30	31/ 41
75	34/ 29	18/ 29	31/ 32	32/ 35	01/ 33	18/ 41	30/ 35	17/ 34	03/ 32	33/ 34	34/ 34	29/ 29	18/ 41
76	32/ 25	31/ 39	21/ 37	30/ 38	30/ 37	33/ 36							31/ 39
84							27/ 24	27/ 21				32/ 23	27/ 24
85	32/ 27	32/ 31	30/ 42	32/ 31	32/ 34	32/ 33	32/ 33	23/ 26	14/ 31	27/ 40	27/ 20	33/ 19	30/ 42
86	27/ 23	27/ 25	27/ 28	33/ 31	33/ 46	33/ 30	18/ 29	27/ 31	27/ 32	05/ 20	36/ 27	36/ 11	33/ 46
87	36/ 38	18/ 27	36/ 43	27/ 35				18/ 51	22/ 39	27/ 21	29/ 29	36/ 35	18/ 51
88	29/ 44	36/ 31	36/ 45	32/ 50	24/ 47	21/ 42	27/ 50	27/ 53	32/ 38	18/ 28	18/ 46	18/ 34	27/ 53
89	27/ 32	18/ 40	23/ 47	18/ 52	36/ 50	18/ 43	18/ 42	18/ 56	09/ 48	18/ 35	36/ 27	05/ 26	18/ 56
90	36/ 45	14/ 27	32/ 39	09/ 31									36/ 45

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PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 4503-4512, 5706-7606, 8407-9006  
MONTH: ALL HOURS: ALL

THE PEAK WIND OF 81 FROM S OCCURRED ON 04/05/67

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4503-4512, 5706-7606, 8407-9004  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN MEDIAN		TOTAL
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	
JAN	6.8	33.6	19.6	14.0	11.1	6.3	3.5	2.9	1.7	.5	.0	14.5	11.0	592
FEB	1.8	24.6	20.6	19.3	15.3	9.0	5.5	2.2	1.5	.2	.0	16.7	16.0	544
MAR	.3	10.6	18.1	19.9	23.0	12.3	7.8	4.1	3.2	.8	.0	20.4	20.0	653
APR	.0	5.4	15.6	20.3	21.6	15.1	11.0	5.7	3.8	1.1	.3	22.6	22.0	634
MAY	.0	2.8	13.7	25.7	23.1	13.5	10.3	6.0	4.1	.8	.0	22.6	21.0	614
JUN	.0	2.4	12.1	25.6	21.3	14.8	12.6	5.9	4.6	.6	.0	23.0	21.0	628
JUL	.3	3.3	11.4	22.7	23.6	16.2	12.5	5.1	3.8	1.1	.0	23.2	22.0	631
AUG	.0	5.7	15.3	23.8	18.6	13.8	10.8	6.5	4.5	.9	.0	22.4	21.0	646
SEP	.2	9.8	22.2	23.2	19.3	11.8	7.1	2.7	3.0	.7	.0	19.6	18.0	591
OCT	.8	24.0	23.2	20.6	13.0	9.0	4.9	2.5	1.6	.3	.0	16.6	15.0	608
NOV	3.0	29.8	22.2	15.8	12.7	9.7	3.2	1.6	1.8	.2	.2	15.4	13.0	568
DEC	10.3	35.4	16.5	12.5	11.4	6.7	4.3	2.0	.9	.0	.0	13.6	10.0	553
ANNUAL	1.8	15.1	17.4	20.4	18.0	11.6	7.9	4.0	2.9	.6	.0	19.4	18.0	7262

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	.6	.5	.5								2.3	8.5	8.0
020-040		.3	.5									.8	11.0	11.0
050-070	4.5	.5										4.9	2.7	2.0
(E) 080-100	10.0	.6										10.6	2.5	2.0
110-130	10.3	1.4	.2									11.8	2.8	2.0
140-160	14.4	1.7	.2	.2								16.4	2.9	2.0
(S) 170-190	4.6	2.9	2.9	1.2	.5							12.1	7.9	6.0
200-220	.6	.3	.3									1.2	5.5	4.5
230-250	1.4											1.4	2.1	2.0
(W) 260-280	1.7	.5										2.2	2.9	2.0
290-310	1.1	.5										1.5	3.8	3.5
320-340	2.0	.6	.5	.2								3.2	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											31.5	////////////////////////////////	
TOTALS	51.4	9.9	5.1	2.1	.5							100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4										1.5	3.5	3.0
020-040	.5	.1	.4									1.1	6.4	4.0
050-070	2.3											2.3	2.3	2.0
(E) 080-100	7.2	.4		.1								7.8	2.7	2.0
110-130	9.8	1.4	.3	.1								11.6	3.1	2.0
140-160	12.7	2.6	.4									15.7	3.2	3.0
(S) 170-190	4.8	3.3	3.4	1.0	.4							12.8	7.7	6.5
200-220	1.4	.3	.8	.1	.1	.1						2.9	8.0	5.0
230-250	2.0	.3	.1									2.5	3.0	2.0
(W) 260-280	1.5		.1									1.6	3.2	2.0
290-310	1.8	.8	.1									2.7	4.0	2.5
320-340	2.2	.5	.3			.1						3.1	5.4	3.0
VARIABLE														
CALM	////////////////////											34.5	////////	
TOTALS	47.3	10.1	5.9	1.3	.5	.2						100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 734														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.8	.3			.1						3.1	5.3	3.0
020-040	1.3	.1	.1	.1								1.6	4.4	3.0
050-070	2.9	.1										3.1	2.5	2.0
(E) 080-100	9.8	1.5										11.2	2.8	3.0
110-130	12.3	1.6	.4	.1								14.4	3.2	3.0
140-160	11.6	2.7	1.2	.1								15.6	3.9	3.0
(S) 170-190	5.9	2.2	2.0	1.8	.2	.1						12.2	7.3	5.0
200-220	2.1	.4	.6	.6	.6	.1						4.3	8.7	5.0
230-250	1.7	.5	.1									2.4	3.6	3.0
(W) 260-280	2.9	.6	.3									3.8	3.6	3.0
290-310	2.0	.5	.1									2.6	3.6	3.0
320-340	2.2	.9	.4	.1	.1							3.7	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											22.1	////////////////////////////////	
TOTALS	56.5	11.9	5.5	2.8	.9	.3						100.0	3.5	3.0

TOTAL NUMBER OF OBSERVATIONS 1434

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.7	.2	.1								2.8	4.9	3.0
020-040	.7	.3	.1									1.1	3.6	3.0
050-070	1.7	.3										2.0	3.0	3.0
(E) 080-100	4.8	.6	.1									5.4	3.0	2.5
110-130	9.4	2.1	.2	.1								11.8	3.4	3.0
140-160	9.9	3.0	1.2	.1								14.1	4.2	3.0
(S) 170-190	5.6	3.5	2.9	1.0	.1	.1						13.3	7.1	6.0
200-220	3.3	.4	1.0	.9	.1	.3						5.9	8.1	4.0
230-250	3.1	.3			.1							3.5	3.4	3.0
(W) 260-280	4.0	1.2	.3									5.5	3.6	3.0
290-310	4.1	.7	.2	.1								5.2	3.3	3.0
320-340	3.7	.8	.7	.3		.1						5.6	5.2	3.0
VARIABLE														
CALM	////////////////////////////////////											23.7	////////////////////////////////	
TOTALS	52.0	13.9	6.9	2.6	.3	.5						100.0	3.6	3.0

TOTAL NUMBER OF OBSERVATIONS 1471

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	1.1	.8	.1								4.3	5.5	4.0
020-040	1.3	.3	.4									2.1	5.1	3.0
050-070	1.4	.1										1.6	2.3	2.0
(E) 080-100	2.9	.4										3.3	2.8	3.0
110-130	3.4	1.0	.4	.1								5.0	4.3	3.0
140-160	4.7	2.6	1.7	.1								9.1	5.8	4.0
(S) 170-190	4.7	5.7	4.4	.8	.5	.1						16.2	8.0	8.0
200-220	2.4	1.0	.8	1.0	.5	.1	.2					6.0	10.0	7.0
230-250	3.8	.8		.1								4.7	3.3	3.0
(W) 260-280	5.6	2.7	.5	.3								9.2	4.7	4.0
290-310	8.7	2.9	1.0	.2	.1							12.9	4.5	3.5
320-340	6.2	2.2	1.0	.5								9.9	4.9	3.0
VARIABLE														
CALM	////////////////////////////////////											15.7	////////////////////////////////	
TOTALS	47.4	20.8	11.0	3.2	1.1	.2	.2					100.0	4.8	4.0

TOTAL NUMBER OF OBSERVATIONS 1458

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.9	1.2	.9	.3	.1							4.3	6.6	5.0
020-040	1.2	.5	.8	.3								2.8	7.4	7.0
050-070	1.3	.3										1.5	3.3	3.0
(E) 080-100	1.6	.3										1.9	2.9	2.0
110-130	3.4	.5	.1									4.0	3.3	3.0
140-160	5.4	3.0	1.2		.1							9.6	5.2	4.0
(S) 170-190	3.0	5.5	3.7	.9	.2							13.3	8.0	8.0
200-220	2.6	1.0	.9	.6	.3	.2			.1			5.7	8.6	5.0
230-250	2.4	.4	.1	.2	.1							3.1	4.3	3.0
(W) 260-280	5.9	2.7	.3	.1	.2		.1					9.3	4.6	3.0
290-310	8.4	3.8	.7	.3	.1							13.3	4.7	4.0
320-340	8.0	3.1	.9	.4	.3							12.7	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////										18.5	////////		
TOTALS	45.1	22.3	9.6	3.1	1.4	.2	.1		.1			100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 1177

OPERATING LOCATION MAH  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.2	.9	1.2	.7								5.0	7.0	5.0
020-040	1.5	.7	.1	.1								2.4	4.9	4.0
050-070	2.4	.5										3.0	3.1	3.0
(E) 080-100	5.4	.7										6.0	2.6	2.0
110-130	5.9	.7										6.6	2.5	2.0
140-160	8.9	2.4	1.3	.1								12.8	4.4	3.0
(S) 170-190	6.6	3.5	.9	.7								11.7	5.5	4.0
200-220	1.9	.7	1.1	.4	.1							4.2	7.4	7.0
230-250	.8	.3	.7									1.7	6.5	5.0
(W) 260-280	3.4	.4	.1									3.9	2.8	2.0
290-310	2.2	.4	.1	.1								2.8	3.8	2.0
320-340	3.4	1.6	.9	.3	.1							6.3	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											33.6	////////////////////////////////	
TOTALS	44.6	12.8	6.4	2.4	.2							100.0	3.1	3.0
TOTAL NUMBER OF OBSERVATIONS 744														

C - 4 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.5	.8	.9	.6								2.8	10.1	11.0
020-040	1.2	1.5	.9	.2	.2							4.0	7.2	6.0
050-070	4.5	.2										4.6	2.4	2.0
(E) 080-100	7.2	.3										7.5	2.3	2.0
110-130	9.5	.5										10.0	2.3	2.0
140-160	15.1	1.8	1.5									18.4	3.5	3.0
(S) 170-190	6.0	2.6	2.0	1.1	.2							11.8	6.5	4.0
200-220	1.4	.3	.6									2.3	5.9	3.0
230-250	1.4											1.4	2.0	2.0
(W) 260-280	1.8	.8	.2	.2								2.9	4.3	3.0
290-310	1.2	.2										1.4	2.3	2.0
320-340	2.2	.6	1.1	.2								4.0	6.4	4.0
VARIABLE														
CALM	////////////////////											28.9	////////	
TOTALS	52.0	9.6	7.2	2.3	.4							100.0	3.1	3.0

TOTAL NUMBER OF OBSERVATIONS 651

C - 4 - 8



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.9	.6	.2	.0	.0						3.4	6.1	5.0
020-040	1.0	.4	.4	.1	.0							1.9	5.9	4.0
050-070	2.4	.2										2.6	2.7	2.0
(E) 080-100	5.7	.6	.0	.0								6.4	2.7	2.0
110-130	7.8	1.2	.2	.1								9.3	3.2	3.0
140-160	9.5	2.6	1.2	.1	.0							13.4	4.2	3.0
(S) 170-190	5.1	3.8	2.9	1.1	.3	.1						13.2	7.4	7.0
200-220	2.2	.6	.8	.6	.3	.1	.0		.0			4.6	8.5	5.0
230-250	2.3	.4	.1	.0	.0							2.9	3.6	3.0
(W) 260-280	3.7	1.3	.3	.1	.0		.0					5.4	4.1	3.0
290-310	4.3	1.4	.3	.1	.0							6.2	4.2	3.0
320-340	4.1	1.4	.7	.3	.1	.0						6.6	5.2	4.0
VARIABLE														
CALM	////////////////////////////////////											24.1	////////////////////////////////	
TOTALS	49.8	14.8	7.5	2.7	.7	.2						100.0	3.7	3.0

TOTAL NUMBER OF OBSERVATIONS 8320

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.1	1.8	.3								4.2	4.5	4.5
020-040	1.6	.5	.3								2.4	4.1	3.0
050-070	2.9										2.9	2.3	2.0
(E) 080-100	3.7	.3									3.9	2.1	2.0
110-130	5.8	.3									6.0	2.3	2.0
140-160	6.0	.5	1.0								7.6	3.8	2.0
(S) 170-190	6.3	1.0	.5								7.9	3.5	2.0
200-220	2.1	.3	.3	.5							3.1	5.7	2.5
230-250	5.2	.3									5.5	2.3	2.0
(W) 260-280	9.7	1.0	1.0	.5							12.3	3.8	2.0
290-310	9.4	2.4		.3							12.0	3.7	3.0
320-340	6.8	1.6	.8	.3	.5						9.9	4.9	3.0
VARIABLE													
CALM	////////////////////										22.3	////////	
TOTALS	61.6	10.0	4.2	1.6	.5						100.0	2.9	2.0

TOTAL NUMBER OF OBSERVATIONS 382

C - 4 - 10

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.0	.7	.3								2.7	8.1	7.0
020-040	.5	.2										.7	3.8	3.0
050-070	2.7	.3	.2									3.2	3.3	3.0
(E) 080-100	8.8	.5										9.3	2.5	2.0
110-130	10.0	1.7	.2									11.8	2.8	2.0
140-160	12.9	3.7	.8	.2								17.6	3.7	3.0
(S) 170-190	5.6	2.4	2.0	.7		.2						10.8	6.0	3.5
200-220	1.0	.2	.2									1.4	4.5	3.5
230-250	.8		.2									1.0	4.0	3.0
(W) 260-280	1.0	.7	.2									1.9	4.9	4.0
290-310	2.4	.5	.2									3.0	3.8	3.0
320-340	1.0	2.5	1.4	.2								5.1	7.6	7.5
VARIABLE														
CALM	////////////////////											31.5	////////	
TOTALS	47.4	13.7	6.1	1.4		.2						100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 591														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 66 - APR 90  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.9	.2									2.9	4.4	4.0
020-040	1.7	.5	.3									2.5	4.6	3.5
050-070	4.3	.6										4.9	2.4	2.0
(E) 080-100	8.0	.9										8.9	2.8	2.0
110-130	11.0	2.0										13.0	2.6	2.0
140-160	11.8	2.6	1.8									16.3	4.0	3.0
(S) 170-190	2.8	2.3	1.4	.6								7.1	7.0	6.5
200-220	1.8	.5	.5	.2	.2							3.1	5.9	3.0
230-250	1.1		.2									1.2	3.3	2.0
(W) 260-280	1.4	.8	.3									2.5	4.6	3.5
290-310	.8	.5										1.2	4.0	3.5
320-340	2.1	2.5	.8									5.4	6.0	6.0
VARIABLE														
CALM	////////////////////											31.1	////////	
TOTALS	48.6	14.1	5.5	.8	.2							100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 652

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.1	.5	.1								3.3	5.2	4.5
020-040	1.4	.5	.1	.1								2.0	4.3	3.0
050-070	4.2	.7										4.9	2.9	2.5
(E) 080-100	9.0	.5										9.5	2.7	3.0
110-130	10.7	1.3	.3									12.3	3.0	2.5
140-160	10.9	3.0	1.2	.2								15.2	4.1	3.0
(S) 170-190	6.6	2.1	2.5	.5	.2							11.8	5.7	4.0
200-220	2.6	.5	.2	.2	.2	.1						3.7	5.2	3.0
230-250	1.7	.5	.1									2.4	3.5	3.0
(W) 260-280	1.8	.5	.2									2.5	3.6	3.0
290-310	2.1	.8	.4									3.3	4.3	3.5
320-340	2.4	1.8	1.1	.7	.2							6.2	7.5	6.0
VARIABLE														
CALM	////////////////////////////////////											22.9	////////////////////////////////	
TOTALS	55.1	13.3	6.6	1.8	.6	.1						100.0	3.3	3.0

TOTAL NUMBER OF OBSERVATIONS 1317

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUKWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.8	.8	.2			.1					3.5	7.0	6.0
020-040	1.6	.7	.3	.1								2.7	4.8	3.0
050-070	2.1	.3										2.4	2.8	2.0
(E) 080-100	4.3	.4										4.7	2.7	2.5
110-130	7.4	1.0	.2									8.6	3.0	3.0
140-160	8.7	2.5	1.9	.1								13.2	4.5	3.0
(S) 170-190	5.2	2.7	3.8	1.8	.3							13.8	8.0	7.0
200-220	2.5	.6	.4	.1	.1							3.8	5.6	3.0
230-250	3.6	.9	.1		.1							4.7	3.7	3.0
(W) 260-280	4.1	1.8	.1									6.1	3.9	4.0
290-310	4.4	2.1	.1	.2	.2	.1						7.2	5.2	4.0
320-340	2.0	2.0	1.9	1.0	.2	.1	.1					7.4	9.5	8.5
VARIABLE														
CALM	////////////////////											21.9	////////	////////
TOTALS	47.5	15.8	9.6	3.5	.9	.2	.2					100.0	4.2	3.0
TOTAL NUMBER OF OBSERVATIONS 1351														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.1	1.2	.3								6.4	6.3	6.0
020-040	.8	1.2	.7									2.7	6.5	6.0
050-070	1.2	.6	.2									2.0	4.6	4.0
(E) 080-100	.7	.2										1.0	3.6	3.0
110-130	2.5	.7	.3									3.6	4.4	3.0
140-160	4.0	2.7	1.6	.4		.1						8.8	6.5	5.0
(S) 170-190	2.5	3.9	5.8	2.0	.7	.1						15.1	10.2	10.0
200-220	2.5	3.5	1.3	.2	.1							7.7	6.8	6.0
230-250	4.1	1.8	.2									6.1	4.3	4.0
(W) 260-280	5.7	3.7	.4	.1		.1						9.9	4.6	4.0
290-310	6.1	4.8	1.0	.4	.4	.1						12.8	6.0	5.0
320-340	5.0	4.7	3.3	1.4	.4	.1						14.9	8.0	6.0
VARIABLE														
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	37.9	29.9	16.0	4.8	1.6	.5						100.0	6.2	5.0

TOTAL NUMBER OF OBSERVATIONS 1335

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.1	2.7	.7	.2							8.0	8.8	9.0
020-040	1.2	2.3	1.2	.5								5.2	7.6	7.0
050-070	.8	.5	.6	.2								2.0	7.5	6.5
(E) 080-100	1.7	.6		.1								2.3	3.8	3.0
110-130	2.1	1.4	.3									3.8	4.6	4.0
140-160	4.0	3.1	1.3	.4	.2							8.9	6.5	5.0
(S) 170-190	2.9	4.5	3.4	1.3	.8							13.0	9.3	9.0
200-220	2.0	2.0	1.2	.3	.2							5.8	7.1	7.0
230-250	3.1	1.2	.5	.1	.1							4.9	4.9	3.0
(W) 260-280	4.2	2.1	.4	.4								7.1	4.9	4.0
290-310	5.8	5.3	1.4	.4	.3							13.1	6.0	5.0
320-340	5.2	4.9	3.5	1.2	.3	.1						15.2	7.6	6.0
VARIABLE														
CALM	////////////////////////////////////											10.7	////////////////////////////////	
TOTALS	34.3	31.0	16.5	5.6	2.1	.1						100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 1077														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	4.0	2.7	.1								10.8	6.5	6.0
020-040	3.2	2.8	1.2	.1								7.4	6.1	5.0
050-070	4.7	1.5	.7									6.9	4.4	3.0
(E) 080-100	6.5	.7										7.2	2.7	2.0
110-130	5.2	.9	.1									6.2	3.5	3.0
140-160	8.3	2.1	.6	.1								11.1	4.1	3.0
(S) 170-190	6.2	4.0	.7	.7	.4							12.1	5.9	4.0
200-220	1.5	.9		.1								2.5	5.1	4.0
230-250	1.0	.4	.1									1.6	4.8	4.0
(W) 260-280	.7	.3										1.0	3.6	3.0
290-310	1.6	.6	.6	.3								3.1	5.6	3.0
320-340	4.4	2.1	1.5	.6	.1							8.7	6.2	4.0
VARIABLE														
CALM	////////////////////////////////////											21.4	////////////////////////////////	
TOTALS	47.3	20.3	8.2	2.0	.5							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 678

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.4	1.5									6.1	6.3	5.0
020-040	1.4	1.0	.2									2.5	4.8	4.0
050-070	4.4	1.0										5.4	2.6	2.0
(E) 080-100	9.3	.7										10.0	2.5	2.0
110-130	10.0	.2										10.2	2.5	2.0
140-160	12.5	2.5	.5	.5								16.1	3.8	3.0
(S) 170-190	6.4	2.2	2.2	.2	.5							11.5	6.0	4.0
200-220	1.0	.2	.3									1.5	4.8	3.0
230-250	1.4	.2										1.5	2.2	2.0
(W) 260-280	.8	.5	.5									1.9	5.7	6.0
290-310	.5	.2										.7	4.5	4.0
320-340	4.4	4.1	1.7	.2								10.3	5.9	5.0
VARIABLE														
CALM	////////////////////											22.3	////////	
TOTALS	54.3	15.2	6.9	.9	.5							100.0	3.3	3.0
TOTAL NUMBER OF OBSERVATIONS 591														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.0	1.8	1.2	.3	.0		.0					5.4	6.8	6.0
020-040	1.4	1.1	.5	.1								3.1	5.9	5.0
050-070	2.8	.6	.2	.0								3.6	3.6	3.0
(E) 080-100	5.4	.5		.0								5.9	2.8	2.0
110-130	6.9	1.1	.2									8.2	3.1	3.0
140-160	8.4	2.8	1.3	.2	.0	.0						12.8	4.6	3.0
(S) 170-190	4.6	3.1	3.1	1.1	.4	.0						12.4	7.8	7.0
200-220	2.1	1.3	.6	.2	.1	.0						4.2	6.1	5.0
230-250	2.5	.8	.2	.0	.0							3.5	4.1	3.0
(W) 260-280	3.0	1.5	.3	.1		.0						4.8	4.4	4.0
290-310	3.5	2.3	.5	.2	.2	.0						6.6	5.6	4.0
320-340	3.4	3.1	2.0	.8	.2	.1	.0					9.6	7.6	6.0
VARIABLE														
CALM	////////////////////////////////////											19.7	////////	
TOTALS	46.0	20.0	10.1	3.0	.9	.1						100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 7592

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	4.7	3.7	2.3								10.7	5.8	6.0
020-040		2.3	.5	.5							3.3	7.7	6.0
050-070	2.3										2.3	2.4	3.0
(E) 080-100	1.9	.5									2.3	3.8	3.0
110-130	2.8										2.8	2.5	2.5
140-160	7.4	1.4									8.8	3.1	3.0
(S) 170-190	4.2	1.4			1.4						7.0	7.0	3.0
200-220	4.2	.5			.5						5.1	4.5	2.0
230-250	5.1	.5									5.6	3.2	3.0
(W) 260-280	4.2	5.1	.9								10.2	4.9	5.0
290-310	5.1	3.3									8.4	4.3	4.0
320-340	3.7	6.5	6.5	.9	.5	.9					19.1	9.6	9.0
VARIABLE													
CALM	////////////////////										14.4	////////	
TOTALS	45.6	25.2	10.2	1.4	2.4	.9					100.0	5.0	4.0

TOTAL NUMBER OF OBSERVATIONS 215

OPERATING LOCATION "A"  
UBAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LS1 TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(M) 350-010	2.5	.5	1.0	.3	.2							4.6	7.3	4.0
020-040	1.2	1.7	.7	.2								3.7	6.6	6.5
050-070	4.4	1.0	.3									5.8	3.5	3.0
(E) 080-100	8.0											8.0	2.4	2.0
110-130	11.7	.2										11.8	2.5	2.0
140-160	18.6	4.2	.2									23.0	3.3	3.0
(S) 170-190	3.6	3.2	2.4	.3								9.5	6.7	7.0
200-220	.2		.2									.3	5.5	5.5
230-250	1.0	.2	.2									1.4	4.4	3.5
(W) 260-280	1.2	.3	.3									1.9	4.8	4.0
290-310	1.7		.2									1.9	3.0	2.0
320-340	1.4	2.0	.8	.2	.2							4.6	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											23.7	////////////////////////////////	
TOTALS	55.5	13.3	6.3	1.0	.4							100.0	3.2	3.0
TOTAL NUMBER OF OBSERVATIONS 591														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.9	1.2	.1								3.2	7.8	6.0
020-040	.9	.9	.1	.3								2.2	6.9	6.0
050-070	3.5	.3	.3									4.0	2.9	2.0
(E) 080-100	10.8	.6										11.4	2.5	2.0
110-130	12.3	.6										12.8	2.4	2.0
140-160	11.0	3.5	.9									15.3	3.9	3.0
(S) 170-190	3.9	3.8	2.3	.3								10.2	6.4	6.0
200-220	.9		.4	.1	.1		.1					1.7	10.1	7.5
230-250	1.3	.3	.1									1.7	3.3	2.5
(W) 260-280	1.7	.3	.1									2.2	3.3	3.0
290-310	1.7	.3	.4									2.5	4.1	3.0
320-340	1.4	2.0	1.6	.1		.1						5.3	7.7	8.0
VARIABLE														
CALM	////////////////////////////////////											27.4	////////////////////////////////	
TOTALS	50.4	13.5	7.4	.9	.1	.1	.1					100.0	3.2	3.0
TOTAL NUMBER OF OBSERVATIONS 693														

OPERATING LOCATION: RAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.7	1.1	.8	.8	.1							3.4	9.3
020-040	1.2	.8	.1									2.2	5.1
050-070	3.3	.3	.3									3.9	3.5
(E) 080-100	10.1	.5	.1									10.7	2.7
110-130	11.8	1.8	.1									13.7	3.0
140-160	12.8	3.0	.4	.2								16.4	3.6
(S) 170-190	5.5	2.6	2.1	.8	.1							11.0	6.5
200-220	1.4	.7	.9	.3	.1		.1					3.5	7.9
230-250	2.1	.5	.1	.1	.1							2.9	4.8
(W) 260-280	2.1	1.0	.1	.1								3.2	4.5
290-310	1.8	1.9	.5	.3	.1							4.6	6.9
320-340	1.5	2.1	1.5	.5	.1	.1						5.8	8.8
VARIABLE													
CALM	////////////////////										18.7	////////////////	
TOTALS	54.3	16.3	7.0	3.1	.6	.1	.1					100.0	4.0
TOTAL NUMBER OF OBSERVATIONS 1463													

OPERATING LOCATION #A  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.6	1.6	1.6	.9	.2							6.0	9.1	8.0
020-040	.7	1.3	.9	.1	.1							3.1	8.0	8.0
050-070	1.1	.6	.1									1.8	4.6	3.0
(E) 080-100	2.6	.7										3.2	3.5	3.0
110-130	5.0	.9	.3									6.1	3.6	3.0
140-160	6.1	2.5	2.0	.7	.1							11.3	6.2	4.0
(S) 170-190	4.0	4.1	4.8	2.1	.4							15.4	9.0	9.0
200-220	2.6	1.3	1.2	.9	.6	.1						6.6	8.8	6.0
230-250	4.2	1.1	.3	.1	.1	.1						5.8	4.0	3.0
(W) 260-280	3.8	2.0	.3	.1								6.3	4.6	4.0
290-310	5.1	2.6	2.1	.7	.2	.1						10.9	6.8	5.0
320-340	3.9	3.0	1.8	.9	.4	.3						10.3	8.0	6.0
VARIABLE														
CALM	////////////////////////////////////											13.1	////////	
TOTALS	40.7	21.7	15.4	6.5	2.1	.6						100.0	6.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1516



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	2.4	2.3	1.0	.4	.1		.1				8.4	9.6	9.0
020-040	1.6	2.0	.9	.3								4.8	6.8	7.0
050-070	.7	.5		.1	.1							1.5	6.7	4.5
(E) 080-100	.8	.4	.1									1.4	5.0	4.0
110-130	.9	.3	.1									1.3	4.4	4.0
140-160	1.6	2.0	1.4	1.2	.2							6.4	9.2	9.0
(S) 170-190	2.1	4.6	5.0	2.7	.5	.1						15.0	10.3	10.0
200-220	1.6	1.6	2.3	1.2	.5							7.2	10.1	10.0
230-250	2.5	2.9	.5	.5	.1							6.6	6.4	5.0
(W) 260-280	3.2	5.5	1.2	.3		.1						10.3	6.4	6.0
290-310	4.8	7.4	2.9	.7	.3	.2		.1				16.4	7.6	6.0
320-340	4.2	6.0	4.2	2.4	.3	.1	.1					17.3	8.9	8.0
VARIABLE														
CALM	////////////////////////////////////											3.5	////////////////////////////////	
TOTALS	26.1	35.6	20.9	10.4	2.4	.6	.1	.2				100.0	8.1	7.0

TOTAL NUMBER OF OBSERVATIONS 1469

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	1.9	4.0	3.7	.7	.4							10.8	9.1	9.0	
020-040	.9	2.7	3.2	.6	.3	.1						7.7	9.7	10.0	
050-070	1.1	.9	1.1	.2	.1							3.3	7.8	6.0	
(E) 080-100	1.4	.3	.1									1.8	3.6	3.0	
110-130	.2	.7		.1								1.0	6.2	5.0	
140-160	1.9	2.6	1.0	.5	.1							6.1	7.2	6.0	
(S) 170-190	1.7	4.9	4.0	1.0	.1	.1						11.8	9.2	9.0	
200-220	1.8	1.5	2.3	1.3	.7							7.7	10.5	10.0	
230-250	1.7	1.5	1.2	.4	.3							5.1	8.0	7.0	
(W) 260-280	2.5	4.6	1.3	.5	.1		.2					9.1	7.5	6.5	
290-310	4.7	6.6	2.5	.7	.5	.1						15.1	7.3	6.0	
320-340	4.6	6.1	4.3	1.6	.7	.1	.1					17.5	8.8	8.0	
VARIABLE															
CALM	////////////////////////////////////										2.9	////////////////////////////////			
TOTALS	24.4	36.6	24.7	7.6	3.3	.4	.3					100.0	8.2	8.0	
TOTAL NUMBER OF OBSERVATIONS 1205															

OPERATING LOCATION "AH"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	5.1	2.2	.3								11.8	.5	6.0
020-040	3.4	5.2	2.0	.1								10.8	6.6	7.0
050-070	3.6	2.3	1.2	.7								7.8	6.5	5.0
(E) 080-100	3.2	.7	.1									4.0	3.3	3.0
110-130	3.1	1.2										4.3	3.6	3.5
140-160	5.2	3.0	.1	.1								8.5	4.3	4.0
(S) 170-190	3.1	3.6	2.7	.4								9.8	7.2	7.0
200-220	.8	1.9	1.5	1.1	.8	.1						6.2	11.5	11.0
230-250	.8	.5	.5	.7	.1							2.7	9.6	9.0
(W) 260-280	1.3	1.9	.7	.3	.1		.1					4.4	7.6	6.0
290-310	3.4	.9	.8	.1								5.2	5.0	4.0
320-340	3.9	3.9	1.9	.9	.3		.1					11.0	7.6	6.0
VARIABLE														
CALM	////////////////////											13.4	////////	
TOTALS	36.1	30.2	13.7	4.7	1.3	.1	.2					100.0	5.8	5.0
TOTAL NUMBER OF OBSERVATIONS 744														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(W) 350-010	2.2	1.7	1.7	.2								5.8	7.0	6.0
020-040	2.0	3.9	.7	.2	.2							6.9	6.5	6.0
050-070	4.4	.3	.5	.2								5.4	3.8	2.0
(E) 080-100	7.8	.3										8.1	2.3	2.0
110-130	7.6	.5										8.1	2.7	3.0
140-160	14.9	5.3	1.0		.2							21.4	4.2	3.0
(S) 170-190	5.8	3.4	1.4	.3								10.8	5.5	4.0
200-220	1.4	.7	.7									2.7	5.7	4.5
230-250	1.2	.5										1.7	4.0	3.5
(W) 260-280	1.2		.3	.2								1.7	5.0	3.5
290-310	.5	.5	.5	.3								1.9	9.1	8.0
320-340	1.4	3.4	1.2									5.9	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											19.5	////////////////////////////////	
TOTALS	50.4	20.5	8.0	1.4	.4							100.0	3.8	3.0

TOTAL NUMBER OF OBSERVATIONS 590

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.9	2.2	1.9	.7	.2	.0		.0				6.8	8.6
020-040	1.4	2.1	1.1	.2	.1	.0						4.8	7.4
050-070	2.3	.7	.4	.1	.0							3.6	5.0
(E) 080-100	4.9	.5	.1									5.5	2.9
110-130	5.9	.8	.1	.0								6.8	3.1
140-160	7.7	3.0	1.0	.5	.1							12.2	4.9
(S) 170-190	3.6	3.9	3.4	1.3	.2	.0						12.4	8.3
200-220	1.5	1.1	1.4	.7	.4	.0	.0					5.2	9.6
230-250	2.2	1.1	.4	.3	.1	.0						4.1	5.8
(W) 260-280	2.4	2.4	.6	.2	.0	.0	.0					5.7	6.0
290-310	3.4	3.2	1.5	.5	.2	.1		.0				8.9	7.0
320-340	3.0	3.8	2.4	1.0	.3	.1	.0					10.7	8.4
VARIABLE													
CALM	////////////////////////////////////										13.3	////////////////////////////////	
TOTALS	40.2	24.8	14.3	5.5	1.6	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 8271

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE MC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(M) 350-010	1.9	8.0	4.3	.6	.6							15.4	8.6	8.0
020-040	1.2	1.9	1.2									4.3	7.0	8.0
050-070	3.7	1.2	1.2									6.2	4.9	3.5
(E) 080-100	.6											.6	1.0	1.0
110-130	3.1											3.1	2.0	2.0
140-160	1.2											1.2	2.5	2.5
(S) 170-190	1.2	1.2										2.5	4.8	4.0
200-220	1.2											1.2	3.0	3.0
230-250		2.5										2.5	6.0	5.5
(W) 260-280	2.5	1.2	.6			.6						4.9	7.4	5.5
290-310	5.6	3.7	4.3	.6		.6						14.8	8.2	8.5
320-340	3.1	6.8	11.1	6.2	2.5							29.6	11.6	11.0
VARIABLE														
CALM	////////////////////////////////////											13.6	////////////////////////////////	
TOTALS	25.3	26.5	22.7	7.4	3.1	1.2						100.0	7.3	8.0

TOTAL NUMBER OF OBSERVATIONS 162

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.5	2.2	.6	.2								4.4	6.4	6.5
020-040	1.1	1.5	1.5									4.1	7.5	7.0
050-070	3.1	.4	.2									3.7	3.1	3.0
(E) 080-100	7.2	.9										8.1	2.9	2.5
110-130	7.6	1.1										8.7	2.8	2.0
140-160	17.4	4.6	.9									23.0	3.8	3.0
(S) 170-190	5.4	6.3	2.0	.6								14.3	6.0	6.0
200-220	.9	.6	.2									1.7	4.8	4.0
230-250	.9	.6										1.5	4.4	3.5
(W) 260-280	2.4	.9										3.3	3.9	3.5
290-310	1.1	.6	.2									1.9	4.8	3.5
320-340	3.0	2.6	1.3	1.3								8.1	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											17.2	////////////////////////////////	
TOTALS	51.6	22.3	6.9	2.1								100.0	3.9	3.0

TOTAL NUMBER OF OBSERVATIONS 540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 98  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.4	.7	.3								5.0	6.2	6.0
020-040	.5	1.2	.9									2.7	7.8	8.0
050-070	4.3	.5	.1									5.0	3.4	3.0
(E) 080-100	10.6	.3										10.9	2.8	3.0
110-130	9.9	1.7										11.7	3.0	3.0
140-160	13.2	3.9	1.1		.1							18.3	4.0	3.0
(S) 170-190	6.2	4.6	2.3									13.0	5.8	5.0
200-220	1.5	1.1	.3	.1	.3							3.2	7.4	6.0
230-250	1.1	.4	.1			.1						1.7	5.6	3.0
(W) 260-280	1.7	.9										2.7	3.7	3.0
290-310	1.3	1.6	.3	.4								3.6	6.4	6.0
320-340	3.1	2.6	1.1	.4								7.1	6.4	5.0
VARIABLE														
CALM	////////////////////											15.1	////////	
TOTALS	55.0	21.2	6.9	1.2	.4	.1						100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 744														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.9	1.1	.2								2.9	8.2	8.5
020-040	1.4	.8	.6	.2	.1							3.1	6.5	5.0
050-070	2.9	.6	.3									3.7	3.7	3.0
(E) 080-100	7.4	1.2										8.6	3.1	3.0
110-130	11.8	2.0	.1	.1								14.0	3.2	3.0
140-160	12.7	3.7	1.9	.3								18.7	4.4	3.0
(S) 170-190	5.6	2.9	2.0	.4	.1							10.9	6.1	4.0
200-220	3.1	.8	.6	.1	.1	.1						4.7	5.1	3.0
230-250	2.1	.8	.3	.1								3.3	4.6	3.0
(W) 260-280	2.6	1.4	.4	.1								4.6	5.2	4.0
290-310	2.0	1.9	.9	.6	.1	.1	.1					5.7	8.2	6.5
320-340	1.6	2.2	1.0	.2	.1							5.0	7.0	6.0
VARIABLE														
CALM	////////////////////											14.8	////////	
TOTALS	53.9	19.2	9.2	2.3	.5	.2	.1					100.0	4.2	3.0

TOTAL NUMBER OF OBSERVATIONS 1438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.3	1.0	.5	.2							4.3	8.5	7.0
020-040	.9	1.3	.5	.3	.3							3.4	8.9	8.0
050-070	1.2	.5	.3									2.0	5.2	3.5
(E) 080-100	1.6	.5	.1									2.2	3.9	3.0
110-130	2.0	.7	.1	.1								2.8	3.9	3.0
140-160	3.8	2.5	2.0	.5	.1	.1						8.9	7.0	5.5
(S) 170-190	3.2	6.0	6.1	3.4	.7	.1						19.6	10.0	10.0
200-220	2.6	1.5	1.1	.6	.2	.1						6.1	7.6	5.0
230-250	2.6	1.3	.3	.3								4.7	5.4	4.0
(W) 260-280	5.1	3.8	1.0	.3	.2							10.5	5.7	5.0
290-310	4.5	4.9	2.7	1.1	.3	.2						13.6	7.7	6.0
320-340	2.9	4.1	2.6	1.4	.4	.1						11.5	8.6	7.5
VARIABLE														
CALM	////////////////////////////////////											10.5	////////////////////////////////	
TOTALS	31.5	28.4	17.8	8.5	2.4	.6						100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 1482

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.2	1.9	1.3	.6	.4							5.4	9.2	8.0
020-040	1.3	1.1	1.7	.2	.2							4.5	8.5	9.0
050-070	.8	.3										1.1	4.1	3.0
(E) 080-100	1.0	.3										1.3	3.6	4.0
110-130	.5	.3	.2									1.0	5.9	5.0
140-160	2.2	2.0	1.1	.3	.6	.1						6.3	8.5	6.0
(S) 170-190	2.3	4.4	5.8	2.5	.9	.1						16.0	10.5	10.0
200-220	1.4	3.1	2.2	1.0	.3	.1						8.2	9.3	9.0
230-250	2.3	3.5	.8	.2	.4	.3	.1					7.6	8.2	6.0
(W) 260-280	3.8	7.5	2.1	.6	.1							14.1	6.9	6.0
290-310	2.8	7.2	5.3	1.6	.3	.1	.1					17.5	9.0	8.0
320-340	2.6	5.2	4.1	2.0	.6							14.5	9.4	9.0
VARIABLE														
CALM	////////////////////											2.5	////////	
TOTALS	22.2	36.8	24.6	9.0	3.8	.7	.2					100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 1440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.1	3.4	.6	.5	.1						8.1	10.3	10.0
020-040	.7	2.2	1.6	.5	.1							5.1	9.0	8.0
050-070	1.4	1.1	.3									2.7	4.9	4.5
(E) 080-100	.7	.9	.1									1.7	4.9	5.0
110-130	.5	.5	.2	.1								1.3	7.0	6.0
140-160	1.0	2.7	1.4	.2	.2	.1						5.5	8.4	8.0
(S) 170-190	2.5	3.6	3.1	1.2	.5	.8						11.7	10.4	9.0
200-220	1.5	2.4	1.9	.9	.6	.2						7.4	10.3	9.0
230-250	2.1	2.5	.9	.6	.2	.2						6.5	8.1	6.0
(W) 260-280	4.2	5.1	3.0	.4	.1	.1						12.8	7.1	6.0
290-310	3.5	6.8	4.0	1.0				.1				15.4	7.8	7.0
320-340	4.6	5.8	4.5	1.7	.7							17.3	8.6	8.0
VARIABLE														
CALM	////////////////////////////////////											4.3	////////////////////////////////	
TOTALS	24.1	35.7	24.4	7.2	2.9	1.5	.1					100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 1101

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	3.6	2.4	.6	.1							9.2	7.9	7.0
020-040	1.3	2.9	3.2	2.1	.1							9.6	10.4	10.0
050-070	4.9	1.5	.7	.1								7.2	4.4	4.0
(E) 080-100	2.5	.3										2.8	2.8	2.0
110-130	1.8	.6										2.4	3.4	3.0
140-160	3.3	3.5	1.1	.3								8.2	5.8	6.0
(S) 170-190	3.1	4.7	2.1	.6	.4							10.8	7.8	8.0
200-220	1.3	2.2	1.3	.4	1.0							6.1	9.8	7.0
230-250	1.0	.8	.7	.7		.1						3.3	9.3	7.5
(W) 260-280	2.5	1.3	1.0	.1								4.9	5.8	4.0
290-310	3.8	4.2	1.0	.1								9.0	5.8	5.0
320-340	5.1	4.3	2.2	.8	.3	.4						13.2	7.4	5.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////	
TOTALS	33.1	29.9	15.7	5.8	1.9	.5						100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 720														

OPERATING LOCATION HAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.1	3.1	1.7	.6	.2							6.7	8.4	7.5
020-040	3.0	4.1	2.4	.2								9.6	6.8	7.0
050-070	5.7	1.9		.2								7.8	3.6	3.0
(E) 080-100	8.0	.9										8.9	2.9	3.0
110-130	6.7	.9										7.6	2.9	3.0
140-160	10.7	4.4	.4	.2								15.7	3.9	3.0
(S) 170-190	4.3	4.8	3.3	.7								13.1	7.3	8.0
200-220	.7	.9	.6									2.2	6.5	6.5
230-250	1.9	.2	.2									2.2	3.6	2.5
(W) 260-280	1.5	.6	.6									2.6	5.1	3.5
290-310	1.3	.7										2.0	4.1	4.0
320-340	1.9	3.1	2.0	.9	.2							8.1	8.4	8.0
VARIABLE														
CALM	////////////////////											13.3	////////	////////
TOTALS	46.8	25.6	11.2	2.8	.4							100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 540

C - 4 - 58

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(W) 350-010	1.3	1.9	1.5	.5	.2	.0						5.4	8.5
020-040	1.2	1.6	1.3	.4	.1							4.7	8.4
050-070	2.5	.7	.2	.0								3.5	4.0
(E) 080-100	4.1	.7	.0									4.8	3.1
110-130	4.7	1.0	.1	.0								5.8	3.3
140-160	6.9	3.1	1.4	.3	.2	.0						12.0	5.3
(S) 170-190	3.8	4.5	3.7	1.5	.4	.1						14.1	8.7
200-220	1.8	1.7	1.2	.5	.3	.1						5.6	8.3
230-250	1.9	1.5	.5	.3	.1	.1	.0					4.4	6.9
(W) 260-280	3.3	3.3	1.2	.2	.1	.0						8.1	6.2
290-310	2.8	4.1	2.3	.8	.1	.1	.0					10.2	7.9
320-340	3.0	3.9	2.5	1.2	.3	.0						11.0	8.3
VARIABLE													
CALM	////////////////////										10.3	////////	
TOTALS	37.3	28.0	15.9	5.7	1.8	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 8005

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		2.5		.6								3.1	7.8	6.0
020-040		.6	.6									1.3	9.5	9.5
050-070	2.5		.6									3.1	4.2	3.0
(E) 080-100	1.9	.6										2.5	3.3	3.0
110-130														
140-160	1.9	.6										2.5	3.8	3.0
(S) 170-190	2.5	1.9	2.5			1.9						8.8	11.6	9.5
200-220	1.9											1.9	2.0	2.0
230-250	2.5	1.9										4.4	3.7	4.0
(W) 260-280	3.8	2.5	3.8	.6								10.6	7.4	5.0
290-310	5.0	12.5	7.5	4.4	1.9	.6						31.9	9.9	8.0
320-340	3.8	4.4	8.1	2.5	.6	1.5						21.3	11.0	10.0
VARIABLE														
CALM	////////////////////											8.8	////////	
TOTALS	25.8	27.5	23.1	8.1	2.5	4.4						100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 160

C - 4 - 40



OPERATING LOCATION: HAH  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS JT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(W) 350-010	1.5	2.2	1.8	.8								6.3	8.5	9.0
020-040	.5	2.0	.3	.8								3.5	9.0	9.0
050-070	5.2	1.1										6.3	3.3	3.0
(E) 080-100	9.8	.6										10.4	2.5	2.0
110-130	6.6	.9	.2									7.7	3.1	3.0
140-160	13.2	4.1	.6									18.0	3.9	3.0
(S) 170-190	5.4	2.9	2.5	.8	.2							11.7	6.7	5.5
200-220	.5	.8										1.2	4.8	5.0
230-250	1.1	.5										1.5	3.8	3.0
(W) 260-280	1.5	.5	.2									2.2	3.9	3.0
290-310	1.1	.5	.3									1.8	5.5	4.0
320-340	2.3	2.8	.5	.6								6.1	7.0	6.5
VARIABLE														
CALM	////////////////////////////////////										23.2	////////////////////////////////		
TOTALS	48.7	18.9	6.4	3.0	.2							100.0	3.8	3.5
TOTAL NUMBER OF OBSERVATIONS 651														

0 - 4 - 41

OPERATING LOCATION "A"  
USAFETAC, ABNEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 03-05

DIRECTION DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.9	1.3	.3	.3								2.9	7.1	6.0
020-040	1.4	.3	.1									1.8	3.7	2.0
050-070	4.9	.2	.1									5.3	2.8	2.0
(E) 080-100	9.7	.8										10.6	2.6	2.0
110-130	10.8	1.6										12.4	2.9	3.0
140-160	15.0	3.6	.6									19.2	3.5	3.0
(S) 170-190	3.7	3.8	2.3	.3								10.1	6.8	7.0
200-220	1.4	.3	.1									1.8	4.1	3.0
230-250	1.4	.5	.2									2.1	4.1	3.0
(W) 260-280	1.5	.5	.1	.2								2.3	5.2	4.0
290-310	1.3	.5	.1									1.8	4.1	3.0
320-340	2.2	2.5	.9									5.6	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											24.2	////////////////////////////////	
TOTALS	54.2	15.9	4.8	.8								100.0	3.1	3.0

TOTAL NUMBER OF OBSERVATIONS 872

OPERATING LOCATION: A  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.5	1.2	.5	.1	.1							2.4	7.8	7.5
0-040	.8	.4		.1								1.2	4.5	4.0
050-070	3.2	.6	.1									3.9	3.2	3.0
(E) 080-	7.8	1.2										9.0	2.9	3.0
110-130	9.8	1.6	.2									11.5	3.2	3.0
140-160	11.1	3.1	1.0									15.2	4.0	3.0
(S) 170-190	5.3	4.2	3.2	.6	.2							13.5	6.8	6.0
200-220	2.9	.9	.3	.1	.1							4.3	4.5	3.0
230-250	2.5	.8										3.3	3.5	3.0
(W) 260-280	3.6	1.0	.3									4.9	3.8	3.0
290-310	1.8	1.2	.5	.1								3.5	5.6	4.5
320-340	1.6	2.8	1.0	.2	.1							5.8	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											21.5	////////////////////////////////	
TOTALS	50.9	19.0	7.1	1.2	.5							100.0	3.6	3.0

TOTAL NUMBER OF OBSERVATIONS 1528

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.3	.7	.4	.1							4.1	7.2	5.0
020-040	1.5	1.2	.9	.1								3.7	6.5	6.0
050-070	1.2	.3										1.4	3.0	3.0
(E) 080-100	1.3	.3	.1									1.8	3.8	3.0
110-130	1.3	.7	.1									2.1	4.1	4.0
140-160	2.4	2.0	2.0	.5	.1							7.0	7.6	7.0
(S) 170-190	3.3	4.6	6.4	2.7	.6							17.6	9.8	10.0
200-220	3.1	2.6	1.1	.5	.2	.1						7.7	6.9	5.0
230-250	3.3	2.2	.3	.1								5.9	4.8	4.0
(W) 260-280	7.2	4.7	1.1	.1								13.2	4.9	4.0
290-310	5.9	6.6	1.5	.8	.2							15.0	6.2	5.0
320-340	4.5	3.7	2.0	.5	.2							10.8	6.6	6.0
VARIABLE														
CALM	////////////////////											9.6	////////	
TOTALS	36.6	30.2	16.2	5.7	1.4	.1						100.0	6.1	5.0

TOTAL NUMBER OF OBSERVATIONS 1524

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.2	1.9	1.1	.3	.1							5.6	6.9	6.0
020-040	1.4	1.0	.4	.2	.3							3.3	7.5	6.0
050-070	1.0	.8	.1			.1						2.0	5.6	4.0
(E) 080-100	.5	.5	.1									1.1	5.2	4.5
110-130	.8	.3	.1									1.2	4.5	4.0
140-160	1.3	2.7	2.0	.3	.3							6.6	8.5	8.0
(S) 170-190	2.3	4.2	4.9	1.5	.8	.1						13.7	10.0	10.0
200-220	1.6	2.4	2.1	1.0	.8							7.7	10.1	9.0
230-250	2.7	3.9	1.4	.3	.2							8.6	7.1	6.0
(W) 260-280	5.3	6.6	2.1	.4	.1							14.5	6.5	6.0
290-310	4.5	8.7	3.1	1.0	.1							17.4	7.3	7.0
320-340	3.8	7.1	3.0	.5								14.5	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////										3.9	////////////////////////////////		
TOTALS	27.4	40.1	20.4	5.5	2.7	.2						100.0	7.4	7.0
TOTAL NUMBER OF OBSERVATIONS 1459														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.0	2.7	1.3	.5	.4							6.9	8.0	6.0
020-040	1.3	1.4	1.5	.5	.1							4.7	8.5	8.0
050-070	1.4	1.4	.2									2.9	5.2	5.0
(E) 080-100	.9	.6										1.5	3.9	4.0
110-130	1.2	.4	.5	.1								2.1	5.5	4.0
140-160	1.7	2.2	1.3	.5								5.6	7.6	6.5
(S) 170-190	1.4	3.1	2.7	2.0	.7	.3						10.2	10.9	10.0
200-220	1.2	2.5	2.6	1.5	.5	.1						8.4	10.7	10.0
230-250	2.1	3.6	1.9	.7	.5							8.9	8.7	7.0
(W) 260-280	3.5	5.6	2.4	.9	.1							12.4	7.5	7.0
290-310	5.1	6.9	1.9	.1	.2	.1						14.3	6.4	6.0
320-340	4.4	8.1	4.6	.5	.3							17.8	7.4	7.0
VAR:ABLE														
CALM	////////////////////////////////////											4.3	////////////////////////////////	
TOTALS	26.2	38.5	20.9	7.3	2.8	.5						100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 1101

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.2	1.7	1.0	.4	.1						9.1	5.4	7.0
020-040	2.7	5.7	3.0	.7	.2							12.4	7.8	7.5
050-070	2.6	.7	.2									3.6	4.1	3.0
(E) 080-100	2.3	1.1	.1									3.5	4.1	3.0
110-130	1.6	.6	.2	.1								2.5	4.8	3.0
140-160	3.0	1.9	.8	.4	.2							6.3	6.4	5.0
(S) 170-190	2.7	2.9	2.2	1.0	.4	.1						9.2	8.6	8.0
200-220	1.0	2.7	2.9	.6								7.2	9.3	9.0
230-250	2.3	1.4	1.2	.5								5.4	6.9	5.0
(W) 260-280	4.4	2.5	1.2	.1								8.2	5.5	4.0
290-310	4.5	2.7	.8									8.1	5.0	4.0
320-340	4.5	5.5	1.7	1.0	.5		.1					13.3	7.5	6.0
VARIABLE														
CALM	////////////////////////////////////											11.2	////////////////////////////////	
TOTALS	34.3	30.9	16.0	5.4	1.7	.2	.1					100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 837														

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.2	3.2	2.8	1.1		.3						8.6	9.6	9.0
020-040	2.0	4.5	1.7	2.0	.2							10.3	9.1	8.0
050-070	6.9	3.1	.2									10.1	3.8	3.0
(E) 080-100	6.3	2.0										8.3	3.3	3.0
110-130	5.5	1.2	.5									7.2	3.5	3.0
140-160	8.3	2.5	.2	.3								11.2	3.9	3.0
(S) 170-190	4.1	3.5	2.6	.8	.5							11.5	7.7	8.0
200-220	.8	1.2	.5	.6								3.1	8.5	8.0
230-250	1.4	1.4	.3									3.1	5.3	5.0
(W) 260-280	1.5	1.2	.3									3.1	5.0	4.5
290-310	1.2	.6		.3								2.2	5.5	3.0
320-340	2.3	3.4	2.3	.5	.3							8.8	8.1	8.0
VARIABLE														
CALM	////////////////////											12.6	////////	
TOTALS	41.5	27.8	11.4	5.6	1.0	.3						100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 651														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: - 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.0	1.1	.5	.1	.0						5.3	7.9	7.0
020-040	1.4	1.7	.9	.4	.1							4.5	7.6	7.0
050-070	2.8	.9	.1			.0						3.8	3.7	3.0
(E) 080-100	4.2	.8	.0									5.1	3.1	3.0
110-130	4.4	.9	.2	.0								5.5	3.4	3.0
140-160	6.3	2.7	1.2	.3	.1							10.5	5.2	4.0
(S) 170-190	3.4	3.8	3.7	1.3	.4	.1						12.8	8.7	8.0
200-220	1.8	1.8	1.3	.6	.2	.0						5.7	8.2	7.0
230-250	2.3	2.0	.7	.2	.1							5.3	6.3	5.0
(W) 260-280	4.1	3.3	1.1	.2	.0							8.7	5.8	5.0
290-310	3.5	4.1	1.2	.3	.1	.0						9.3	6.4	6.0
320-340	3.3	4.6	2.1	.4	.2		.0					10.6	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											13.0	////////////////////////////////	
TOTALS	39.1	28.6	13.6	4.2	1.3	.1						100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 8623

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS),

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010				3.2	3.2							6.5	20.0	20.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160		3.2										3.2	5.0	5.0
(S) 170-190														
200-220	3.2				3.2							6.5	11.5	11.5
230-250														
(W) 260-280	16.1	9.7										25.8	4.5	4.0
290-310	6.5	19.4			3.2							29.0	7.4	6.0
320-340	3.2	12.9	6.5	3.2								25.8	8.5	7.0
VARIABLE														
CALM	////////////////////											3.2	////////////////	
TOTALS	29.0	45.2	6.5	6.4	9.6							100.0	7.7	6.0
TOTAL NUMBER OF OBSERVATIONS 31														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.6	2.9	1.7	1.0	.2							7.3	9.0
020-040	1.0	2.1	1.9	.3	.6	.2						6.0	10.5
050-070	5.4	1.0	.3									6.7	3.7
(E) 080-100	9.4	1.1										10.5	2.8
110-130	6.7	1.1										7.8	3.0
140-160	12.1	3.0	.3									15.4	3.4
(S) 170-190	7.1	4.4	1.9									13.5	5.4
200-220	2.4	.3	.3									3.0	4.2
230-250	1.1	.5										1.6	3.9
(W) 260-280	2.5	.5										3.0	3.3
290-310	1.1	1.0			.2							2.2	5.5
320-340	2.1	2.2	.2									4.4	4.9
VARIABLE													
CALM	////////////////////										18.6	////////	
TOTALS	52.5	20.1	6.6	1.3	1.0	.2						100.0	3.9
TOTAL NUMBER OF OBSERVATIONS 630													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	1.6	.9									3.3	7.1	6.5
020-040	2.2	.7	.9									3.9	5.9	4.0
050-070	3.5	.6										4.1	3.2	3.0
(E) 080-100	7.3	.9										8.2	2.8	2.0
110-130	9.6	1.4										11.0	3.0	3.0
140-160	15.9	4.0	.1									20.0	3.3	3.0
(S) 170-190	6.6	3.3	1.4									11.5	5.0	4.0
200-220	2.1	.4	.1	.2								2.8	4.6	3.0
230-250	2.6	.4										2.9	3.0	3.0
(W) 260-280	1.9	.4	.1									2.4	3.4	3.0
290-310	.9	.1	.1									1.2	4.1	4.0
320-340	1.3	1.8	.7									3.8	6.2	5.5
VARIABLE														
CALM	////////////////////										24.9	////////		
TOTALS	54.6	15.8	4.3	.2								100.0	3.0	3.0
TOTAL NUMBER OF OBSERVATIONS 851														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.8	.3	.1								2.5	5.7	5.0
020-040	1.0	.7	.3	.1								2.1	5.5	5.0
050-070	2.8	.8										3.6	3.4	3.0
(E) 080-100	6.3	1.3										7.6	3.2	3.0
110-130	11.0	1.7	.1									12.9	3.2	3.0
140-160	11.3	3.8	1.4									16.5	4.2	3.0
(S) 170-190	5.4	3.0	2.7	.3	.1							11.4	6.1	5.0
200-220	3.0	.7	.2	.1								3.9	3.8	3.0
230-250	2.9	.9	.1									3.8	3.5	3.0
(W) 260-280	2.5	.9	.1									3.5	3.6	3.0
290-310	1.9	1.3	.2	.1								3.5	5.0	4.0
320-340	2.5	1.5	.8	.1								4.8	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											23.9	////////////////////////////////	
TOTALS	51.8	17.4	6.2	.8	.1							100.0	3.3	3.0

TOTAL NUMBER OF OBSERVATIONS 1499

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.9	1.4	1.2	.1								4.6	6.4	5.0
020-040	1.1	.7	.3	.1								2.2	5.8	5.0
050-070	.9	.7										1.5	3.9	4.0
(E) 080-100	1.1	.1	.1									1.4	4.1	3.0
110-130	1.4	.7	.1	.1								2.2	4.3	4.0
140-160	1.9	1.7	1.9	.5								6.0	7.7	8.0
(S) 170-190	3.2	4.6	6.8	1.8	.3	.1						16.8	9.4	10.0
200-220	3.5	2.5	1.3	.1	.1		.1					7.4	6.3	5.0
230-250	4.2	2.1	.6									6.9	4.7	4.0
(W) 260-280	7.6	5.0	.9									13.5	4.6	4.0
290-310	5.8	6.6	1.9	.1	.1							14.4	5.7	5.0
320-340	6.5	4.7	1.4	.3								13.0	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////											10.2	////////	
TOTALS	39.1	30.8	16.5	3.1	.5	.1	.1					100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 1505

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(M) 350-010	1.7	2.2	1.2	.1								5.2	6.9	6.0
020-040	1.0	.8	.2	.2	.1							2.3	7.7	5.0
050-070	1.1	.4	.1	.1								1.7	4.6	4.0
(E) 080-100	.5	.3	.1									.9	4.8	4.0
110-130	.6	.6	.1									1.3	4.5	4.0
140-160	1.3	1.8	1.1	.4	.1							4.7	8.0	7.0
(S) 170-190	1.9	3.7	4.5	2.3	.8	.1						13.2	10.3	10.0
200-220	1.7	3.6	2.0	.3	.3	.1						7.9	8.2	7.0
230-250	2.9	4.5	1.4	.2								8.9	6.5	6.0
(W) 260-280	4.7	8.6	1.8	.1	.1							15.3	6.4	6.0
290-310	4.7	9.6	4.9	1.3								20.5	7.5	7.0
320-340	4.5	6.9	2.0	.6	.3							14.4	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											3.8	////////////////////////////////	
TOTALS	26.6	43.0	19.4	5.6	1.7	.2						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 1435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.7	1.8	.3	.1							7.0	7.5	7.0
020-040	1.2	1.8	1.1		.2							4.3	7.8	6.0
050-070	1.0	.5	.5	.1								2.1	6.1	4.5
(E) 080-100	.7	.6	.2									1.4	5.3	5.0
110-130	.7	.6	.4									1.7	5.7	5.0
140-160	1.0	1.4	.7		.2							3.3	7.2	6.0
(S) 170-190	1.6	4.1	3.1	1.3	.2							10.3	9.1	9.0
200-220	1.6	1.8	2.7	.7	.7	.1						7.6	10.2	10.0
230-250	1.5	3.8	2.2	.6	.3							8.2	8.5	8.0
(W) 260-280	3.9	5.9	2.4	.5	.2		.1					13.0	7.2	6.0
290-310	3.7	7.4	3.5	.8	.3							15.7	7.5	7.0
320-340	5.5	9.5	4.7	1.5	.2	.1						21.5	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////////////////////////////	
TOTALS	24.6	40.1	23.3	5.6	2.4	.2	.1					100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 1067



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.1	4.3	2.7	.9								11.0	7.8	7.0
020-040	1.6	3.5	1.7	.7	.2							7.8	8.4	8.0
050-070	3.7	2.3	1.2									7.3	5.6	4.0
(E) 080-100	2.0	1.0	.2									3.2	4.2	3.0
110-130	1.7	1.0		.1								2.8	4.3	4.0
140-160	1.7	1.7	.5									4.0	5.4	5.0
(S) 170-190	2.7	3.7	3.2	.6	.1							10.4	8.0	8.0
200-220	1.4	1.6	1.4	.6	.1							5.1	8.7	8.0
230-250	2.5	2.5	1.0	.6								6.5	7.2	6.0
(W) 260-280	2.8	2.7	.7	.1	.1							6.5	6.0	5.0
290-310	4.0	3.1	.6	.4								8.0	5.5	5.0
320-340	5.7	8.0	4.1	.1	.4							18.3	6.9	7.0
VARIABLE														
CALM	////////////////////////////////////										9.1	////////////////////////////////		
TOTALS	32.9	35.4	17.3	4.1	.9							100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 810														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.0	3.5	4.3	1.0	.2	.2						12.1	9.0
020-040	2.5	3.8	4.0	1.0	.8							12.1	9.4
050-070	5.9	3.2	2.1									11.1	5.5
(E) 080-100	5.9	2.4										8.3	3.9
110-130	6.0	1.0										7.0	3.1
140-160	9.4	2.7	.3									12.4	3.8
(S) 170-190	3.8	4.0	1.1	.5								9.4	6.5
200-220	.3	.8	1.3									2.4	8.3
230-250	.3	.6	.2	.5								1.6	9.2
(W) 260-280	1.3	.6	.3									2.2	4.7
290-310	.6	.2										.8	3.0
320-340	3.2	2.5	1.3	.5	.2							7.6	6.6
VARIABLE													
CALM	////////////////////										13.2	////////	
TOTALS	42.2	25.3	14.9	3.5	1.2	.2						100.0	5.4
TOTAL NUMBER OF OBSERVATIONS 630													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.8	2.2	1.5	.3	.0	.0						5.9	7.5	7.0
020-040		1.3	1.5	1.0	.2	.2	.0						4.2	8.0	7.0
050-070		2.5	1.0	.4	.0								3.9	4.6	3.0
(E) 080-100		3.6	.8	.1									4.5	3.4	3.0
110-130		4.5	1.0	.1	.0								5.6	3.4	3.0
140-160		6.1	2.5	1.0	.2	.0							9.7	4.8	4.0
(S) 170-190		3.8	3.8	3.5	1.0	.2	.0						12.4	8.0	8.0
200-220		2.2	1.7	1.2	.2	.2	.0	.0					5.5	7.2	6.0
230-250		2.5	2.1	.7	.2	.0							5.6	6.0	5.0
(W) 260-280		3.9	3.6	.9	.1	.1		.0					8.5	5.6	5.0
290-310		3.2	4.4	1.7	.4	.1							9.8	6.6	6.0
320-340		4.1	4.8	1.9	.4	.1	.0						11.4	6.6	6.0
VARIABLE															
CALM		////////////////////////////////////										13.0	////////////////////////////////		
TOTALS		39.5	29.4	14.0	3.0	.9							100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 8427															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010													
020-040		6.7									6.7	7.0	7.0
050-070													
(E) 080-100													
110-130	6.7										6.7	2.0	2.0
140-160	6.7										6.7	1.0	1.0
(S) 170-190													
200-220			6.7								6.7	10.0	10.0
230-250			6.7								6.7	10.0	10.0
(W) 260-280	6.7										6.7	2.0	2.0
290-310	13.3	6.7	6.7								26.7	5.5	5.0
320-340	13.3										13.3	2.5	2.5
VARIABLE													
CALM	////////////////////////////////////										20.0	////////	
TOTALS	46.7	13.4	20.1								100.0	3.9	3.0

TOTAL NUMBER OF OBSERVATIONS 15

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.1	1.7	.3	.2								3.2	6.3	6.0
020-040	2.3	1.8	1.2									5.4	6.3	5.0
050-070	7.2	1.2										8.4	3.1	3.0
(E) 080-100	10.1	1.4	.2									11.7	3.1	3.0
110-130	7.2	1.4	.2									8.8	3.3	3.0
140-160	10.6	3.7	.9									15.2	4.4	3.0
(S) 170-190	4.9	7.2	2.5	.3								14.9	6.5	6.0
200-220	1.2	.3	.3									1.8	4.5	3.0
230-250	1.1	.2										1.2	2.9	2.0
(W) 260-280	.9	.2										1.1	3.3	3.0
290-310	.9	.3										1.2	3.9	4.0
320-340	1.1	1.5	.5									3.1	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											24.0	////////////////////////////////	
TOTALS	48.6	20.9	6.1	.5								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.2										1.3	3.5	3.0
020-040	.7	.5										1.2	3.9	3.0
050-070	4.5	.5	.1									5.1	2.9	2.0
(E) 080-100	9.8	1.6	.1									11.5	3.1	3.0
110-130	10.2	1.8	.2									12.2	3.4	3.0
140-160	14.5	6.5	1.1									22.0	4.2	4.0
(S) 170-190	5.1	4.4	1.3									10.7	5.3	5.0
200-220	2.1	.4										2.5	3.1	3.0
230-250	2.0	.4										2.4	2.9	2.0
(W) 260-280	1.6	.2										1.9	2.8	2.0
290-310	.9	.4										1.3	3.5	4.0
320-340	2.2	.5										2.7	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											25.3	////////////////////////////////	
TOTALS	54.7	17.4	2.8									100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.0	.1	.1									1.3	3.5	2.0
020-040	1.6	.4	.1									2.1	3.4	2.0
050-070	2.4	.3										2.7	2.8	2.0
(E) 080-100	8.1	.8										8.9	2.7	2.0
110-130	8.9	1.9	.1									10.8	3.3	3.0
140-160	11.6	5.7	1.6	.1								19.0	4.6	4.0
(S) 170-190	7.0	5.4	3.1	.3	.1							15.9	6.1	5.0
200-220	2.2	.4	.1									2.7	3.4	2.5
230-250	3.3	.3										3.6	2.9	3.0
(W) 260-280	3.2	.5										3.7	3.0	3.0
290-310	1.8	.3										2.1	2.8	2.0
320-340	1.6	.3										2.0	2.9	2.0
VARIABLE														
CALM	////////////////////////////////////											25.1	////////////////////////////////	
TOTALS	52.7	16.4	5.1	.4	.1							100.0	3.1	3.0

TOTAL NUMBER OF OBSERVATIONS 1468

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.7	.2									2.8	4.0	3.0
020-040	1.0	.4	.3									1.7	5.3	3.5
050-070	1.0	.2										1.2	3.6	3.0
(E) 080-100	1.2	.1										1.3	2.8	2.0
110-130	1.1	.3										1.5	3.5	3.0
140-160	2.6	3.6	3.0	.7	.1							10.0	7.9	7.0
(S) 170-190	4.0	8.7	9.2	2.2	.3							24.4	9.1	9.0
200-220	2.2	3.2	1.5	.2	.1							7.3	7.0	7.0
230-250	5.0	2.8	.1									7.9	4.2	4.0
(W) 260-280	7.6	4.4	.3									12.4	4.3	4.0
290-310	6.3	4.4	.4	.1								11.2	4.5	4.0
320-340	5.2	1.7	.2	.1								7.2	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											11.2	////////	
TOTALS	39.2	30.5	15.2	3.3	.5							100.0	5.5	5.0
TOTAL NUMBER OF OBSERVATIONS 1486														

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OPERATING LOCATION "A"  
USAFETAC, ABEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 330-010	2.3	1.5										3.8	4.2	4.0
020-040	1.4	.8	.1									2.3	4.5	4.0
050-070	1.3	.6										1.9	4.3	4.0
(E) 080-100	.9	.6	.1									1.6	4.5	4.0
110-130	1.6	1.1	.3									3.0	5.4	4.0
140-160	1.6	3.0	1.2	.7								6.6	7.7	7.0
(S) 170-190	3.0	5.6	5.1	1.3	.1							15.1	8.8	8.0
200-220	1.7	4.4	2.5	.4	.1							9.0	7.9	7.0
230-250	3.5	5.4	1.5	.3								10.7	6.3	5.0
(W) 260-280	5.2	8.8	1.1	.2								15.3	5.8	5.0
290-310	3.5	9.8	1.6	.4	.1							15.3	6.5	6.0
320-340	5.3	5.4	.6	.1	.1							11.5	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											3.9	////////////////////////////////	
TOTALS	31.3	47.0	14.1	3.4	.4							100.0	6.3	5.0

TOTAL NUMBER OF OBSERVATIONS 1411

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.5	2.5	.7	.1	.1							5.9	5.8	5.0
020-040	1.5	1.5	.6	.1	.2							3.8	7.2	6.0
050-070	1.1	1.0	.3	.1								2.5	6.0	6.0
(E) 080-100	.8	.7	.7	.1								2.3	7.0	7.0
110-130	.7	1.6	1.1									3.4	7.3	6.0
140-160	1.9	2.6	1.8	.7								6.9	7.8	7.0
(S) 170-190	.8	4.1	3.6	1.2	.4	.1						10.3	10.1	10.0
200-220	1.2	3.2	2.9	.7	.1	.1	.1					8.3	9.5	9.0
230-250	2.7	4.2	2.4	.4		.1						9.8	7.7	7.0
(W) 260-280	3.8	6.9	1.6	.4	.3		.1					13.0	6.8	6.0
290-310	4.2	7.7	1.0	.6	.1							13.6	6.6	6.0
320-340	6.0	7.9	1.6	.4	.1							15.9	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////	
TOTALS	27.2	43.9	18.3	4.8	1.3	.3	.2					100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 1073

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.0	4.2	2.0	.1	.1							9.4	6.7	6.0
020-040	3.3	4.3	1.8	.5								9.9	6.7	7.0
050-070	3.3	1.7	.2									5.3	4.4	3.0
(E) 080-100	1.8	1.7	.5	.2								4.2	5.9	5.0
110-130	2.0	1.4	.8	.1	.1							4.5	6.3	5.0
140-160	2.2	3.0	2.7	.5	.1							8.5	8.2	8.0
(S) 170-190	1.4	4.9	4.2	1.1	.4	.1						12.1	9.5	9.0
200-220	1.2	2.0	1.9	.1	.1							5.4	8.3	9.0
230-250	1.7	1.9	1.1	.2	.2							5.1	7.5	7.0
(W) 260-280	2.6	3.1	.7	.4	.2							7.0	6.7	5.0
290-310	3.5	2.3	.4									6.1	4.8	4.0
320-340	5.0	5.3	1.9	.2	.1							12.5	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////										9.9	////////////////////////////////		
TOTALS	31.0	35.8	18.2	3.4	1.3	.1						100.0	6.3	6.0
TOTAL NUMBER OF OBSERVATIONS 837														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.7	1.5	.3								5.7	7.0	7.0
020-040	2.3	4.8	3.2	.9								11.2	8.4	8.0
050-070	10.0	4.1	.5									14.6	4.0	3.0
(E) 080-100	7.1	3.4	.6									11.1	4.2	3.5
110-130	4.6	2.3	.2									7.1	4.1	3.0
140-160	7.1	4.0	1.7	.5								13.2	5.7	4.0
(S) 170-190	4.6	6.0	2.8	.3								13.7	6.6	6.0
200-220	.5	2.0	.5	.3								3.2	8.0	8.0
230-250	1.4	1.2										2.6	4.8	4.0
(W) 260-280	.9	.9										1.8	4.7	4.5
290-310	.6	.5	.3									1.4	6.3	7.0
320-340	.9	.6	1.2	.2								2.9	7.5	6.0
VARIABLE														
CALM	////////////////////											11.5	////////	
TOTALS	42.2	31.5	12.5	2.5								100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.9	1.4	.5	.1	.0							3.9	5.5
020-040	1.6	1.4	.7	.1	.0							3.9	6.4
050-070	3.1	1.0	.1	.0								4.1	3.8
(E) 080-100	4.4	1.1	.2	.0								5.7	3.6
110-130	4.2	1.4	.3	.0	.0							6.0	4.1
140-160	6.0	4.0	1.8	.4	.0							12.3	5.8
(S) 170-190	3.9	5.9	4.4	1.0	.2	.0						15.4	8.0
200-220	1.7	2.2	1.3	.2	.0	.0	.0					5.5	7.3
230-250	2.9	2.3	.7	.1	.0	.0						6.1	5.6
(W) 260-280	3.8	3.6	.5	.1	.1		.0					8.2	5.3
290-310	3.1	3.8	.5	.1	.0							7.6	5.6
320-340	3.7	3.0	.7	.1	.0							7.5	5.3
VARIABLE													
CALM	////////////////////										13.8	////////	
TOTALS	40.3	31.1	11.7	2.2	.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 8427

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340					33.3							33.3	15.0	15.0
VARIABLE														
CALM	////////////////////											66.7	////////	
TOTALS					33.3							100.0	5.0	15.0
TOTAL NUMBER OF OBSERVATIONS 3														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.8	1.5		.3							5.7	7.5	7.0
020-040	2.2	.9	.6									3.7	5.1	4.0
050-070	8.0	1.7	.2									9.8	3.3	3.0
(E) 080-100	8.4	.8										9.2	2.7	2.0
110-130	6.9	.9										7.8	2.9	3.0
140-160	15.4	4.6	.5	.5								20.9	4.2	3.0
(S) 170-190	8.0	5.2	.9									14.1	4.7	4.0
200-220	1.1	.5	.2									1.7	4.8	4.0
230-250	.9	.9										1.8	5.3	5.0
(W) 260-280	1.2											1.2	2.4	2.0
290-310	1.1	.3										1.4	3.2	2.0
320-340	2.0	.9	.3									3.2	4.3	4.0
VARIABLE														
CALM	////////////////////											19.4	////////	
TOTALS	57.2	18.5	4.2	.5	.3							100.0	3.4	3.0
TOTAL NUMBER OF OBSERVATIONS 651														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 69011U

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.6	.4									2.2	4.5	3.0
020-040	.9	.1	.1									1.2	3.5	2.5
050-070	5.1	.2										5.3	2.3	2.0
(E) 080-100	11.2	.7			.1							12.0	2.7	2.0
110-130	9.3	1.3										10.6	2.8	2.0
140-160	16.4	4.0	1.2	.1								21.7	3.8	3.0
(S) 170-190	5.4	4.4	.8	.2								10.8	5.4	4.5
200-220	1.3	.2										1.5	3.2	3.0
230-250	1.6	.4										2.0	3.1	2.0
(W) 260-280	1.1	.1										1.2	2.6	2.0
290-310	.5	.4			.1							.9	6.3	3.5
320-340	1.6	.5	.1									2.2	3.6	3.0
VARIABLE														
CALM	////////////////////											28.3	////////	
TOTALS	55.7	12.9	2.6	.3	.2							100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 849

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.4	.1										.5	2.7	2.0
020-040	1.3											1.3	2.4	2.0
050-070	5.4	.3										5.8	2.4	2.0
(E) 080-100	11.4	1.2										12.5	2.8	3.0
110-130	13.6	1.8										15.4	3.0	3.0
140-160	12.5	4.4	1.2	.2								18.3	4.2	3.0
(S) 170-190	5.0	4.1	2.0	.4	.1							11.6	6.2	6.0
200-220	1.6	.4	.1									2.1	3.3	2.0
230-250	2.1	.6	.1									2.8	3.7	3.0
(W) 260-280	1.9	.5										2.4	3.1	2.5
290-310	1.1	.1	.1		.1							1.4	4.1	2.0
320-340	1.7	.5	.1	.1								2.3	3.7	2.5
VARIABLE														
CALM	////////////////////////////////////											23.7	////////////////////////////////	
TOTALS	58.0	14.0	3.6	.7	.2							100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 1476

C - 4 - 73

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.5	.5										2.1	3.4	3.0
020-040	.9	.5	.1									1.4	4.2	3.0
050-070	.7	.3										1.0	3.5	3.0
(E) 080-100	1.3	.3		.1								1.6	3.5	3.0
110-130	1.9	.3	.1									2.3	3.5	3.0
140-160	3.0	3.7	1.4	.4	.2		.1					8.8	7.4	6.5
(S) 170-190	5.2	7.3	9.4	2.5	.3							24.7	8.9	9.0
200-220	3.5	3.1	.9									7.5	5.3	5.0
230-250	4.7	1.4	.2									6.4	3.9	3.0
(W) 260-280	8.8	3.4	.3									12.5	3.8	3.0
290-310	6.8	4.3	.1									11.1	4.1	4.0
320-340	4.5	1.2	.2	.1								6.0	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////										14.5	////////////////////////////////		
TOTALS	42.8	26.3	12.7	3.1	.5		.1					100.0	5.0	4.0
TOTAL NUMBER OF OBSERVATIONS 1495														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	.8	.2		.1							2.9	4.4	3.0
020-040	1.3	.4	.1		.1							1.8	4.2	3.0
050-070	.5	.6	.1									1.1	4.8	5.0
(E) 080-100	.8	.3										1.1	3.6	4.0
110-130	1.3	.5										1.8	4.0	4.0
140-160	2.9	3.0	1.6	.6	.1							8.2	7.1	6.0
(S) 170-190	2.9	6.2	3.2	2.0	.4	.1	.4					15.2	9.3	8.0
200-220	2.9	3.2	2.0	.1	.1							8.4	7.0	6.0
230-250	3.4	4.0	2.1	.1	.1							9.7	6.4	5.5
(W) 260-280	6.2	8.3	1.6									15.2	5.6	5.0
290-310	7.0	8.6	2.0	.2								17.9	5.9	5.0
320-340	5.7	4.8	.7	.1			.1					11.4	5.1	4.0
VARIABLE														
CALM	////////////////////											4.4	////	////
TOTALS	36.8	40.7	13.6	3.1	.9	.1	.5					100.0	6.1	5.0
TOTAL NUMBER OF OBSERVATIONS 1428														

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OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 15-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.9	.2									4.7	5.3	5.0
020-040	1.3	1.1	.6									3.0	5.9	5.0
050-070	1.2	.6	.3	.1								2.1	5.3	4.0
(E) 080-100	1.1	.9	.4									2.4	5.6	5.0
110-130	.7	.8	.2									1.6	6.0	6.0
140-160	1.8	1.8	1.5	.4	.2							5.6	7.9	6.5
(S) 170-190	1.1	3.6	2.2	1.5	.7	.3	.3					9.7	11.5	10.0
200-220	.7	3.4	2.3	.6	.2							7.3	9.0	9.0
230-250	2.5	4.9	1.4	.5	.1							9.4	7.1	7.0
(W) 260-280	5.3	6.6	1.4	.1	.1							13.5	5.8	5.0
290-310	4.9	10.7	3.1	.5	.1							19.4	6.7	6.0
320-340	5.9	7.8	2.9	.5	.1							17.1	6.4	5.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	28.1	45.3	16.5	4.2	1.5	.3	.3					100.0	6.8	6.0
TOTAL NUMBER OF OBSERVATIONS 1075														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.0	3.8	2.7	.2	.2							11.0	7.0	6.0
020-040	3.0	3.6	1.7	.2	.1							8.6	6.6	6.0
050-070	4.0	1.5	.2									5.7	4.0	3.0
(E) 080-100	2.1	1.1	.7									4.0	5.4	4.0
110-130	1.4	.7	.5									2.6	5.3	4.0
140-160	1.9	4.2	2.2	.1	.6	.1						9.1	8.7	8.0
(S) 170-190	1.4	4.0	3.1	1.0	.6	.2						10.2	10.4	9.0
200-220	.6	1.4	2.0	.4	.1							4.4	9.9	10.0
230-250	2.0	2.1	.5	.2								4.8	6.3	6.0
(W) 260-280	2.8	2.2	1.1	.1	.1							6.4	5.9	5.0
290-310	4.4	2.5	.1	.1	.1							7.3	4.8	4.0
320-340	5.7	4.9	.9	.4								11.9	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////										14.0	////////////////////////////////		
TOTALS	33.3	32.0	15.7	2.7	1.8	.3						100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 810														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: CUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.9	2.5	2.5	.3								8.1	7.3	8.0
020-040	2.8	3.1	1.5	.6								8.0	7.4	7.0
050-070	10.0	2.8	.5									13.2	3.7	3.0
(E) 080-100	7.5	1.4										8.9	3.2	3.0
110-130	6.5	1.8	.2									8.4	3.8	4.0
140-160	9.7	5.7	1.2									16.6	4.6	4.0
(S) 170-190	4.1	5.8	1.8	.5	.5	.2						12.9	7.1	6.0
200-220	.3	1.5	1.4									3.2	8.7	9.0
230-250	.2	1.2		.3								1.7	7.6	6.0
(W) 260-280	.8	.6	.2									1.5	4.9	4.5
290-310	.5	.3	.2									.9	5.8	6.0
320-340	1.2	1.7	.6									3.5	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////										12.9	////////////////////////////////		
TOTALS	46.5	28.4	10.1	1.7	.5	.2						100.0	4.7	4.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.4	.7	.0	.1							3.9	5.9	5.0
020-040	1.5	.9	.4	.1	.0							3.0	5.7	4.0
050-070	3.6	.8	.1	.0								4.5	3.4	3.0
(E) 080-100	5.1	.8	.1	.0	.0							6.0	3.2	3.0
110-130	5.1	1.0	.1									6.2	3.3	3.0
140-160	7.2	3.8	1.4	.3	.1	.0	.0					12.8	5.4	4.0
(S) 170-190	4.1	5.2	3.4	1.2	.3	.1	.1					14.4	8.2	7.0
200-220	1.8	1.9	1.1	.1	.1							5.0	6.8	6.0
230-250	2.5	2.1	.6	.1	.0							5.4	5.7	5.0
(W) 260-280	4.1	3.2	.6	.0	.0							8.0	4.9	4.0
290-310	3.8	3.9	.8	.1	.0							8.7	5.6	5.0
320-340	3.8	2.8	.7	.1	.0		.0					7.5	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											14.7	////////////////////////////////	////////////////////////////////
TOTALS	44.4	27.8	10.0	2.0	.6	.1	.1					100.0	4.7	4.0
TOTAL NUMBER OF OBSERVATIONS 8435														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		20.0										20.0	8.0	8.0
020-040														
050-070	20.0											20.0	2.0	2.0
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250	20.0											20.0	2.0	2.0
(W) 260-280														
290-310														
320-340				20.0								20.0	16.0	16.0
VARIABLE														
CALM	////////////////////											20.0	////////	////////
TOTALS	40.0	20.0		20.0								100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 5

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.7	.6	.2	.2							4.0	7.7	6.0
020-040	1.6	.6		.3								2.5	5.2	3.5
050-070	6.5	.8	.2									7.5	3.0	3.0
(E) 080-100	10.2	.3	.2									10.6	2.6	2.0
110-130	8.7	.6										9.4	2.8	2.0
140-160	18.3	5.2	.8	.3								24.6	3.8	3.0
(S) 170-190	4.8	4.4	2.4									11.6	6.2	6.0
200-220	1.4	.2										1.6	2.5	2.0
230-250	1.9	.2	.2									2.2	3.3	2.0
(W) 260-280	1.1	.2										1.3	2.8	3.0
290-310	.6	.3										1.0	3.5	3.0
320-340	2.2	3.0	.2									5.4	5.0	5.0
VARIABLE														
CALM	////////////////////											18.4	////////	
TOTALS	58.6	17.5	4.6	.8	.2							100.0	3.3	3.0
TOTAL NUMBER OF OBSERVATIONS 630														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.9	.1									2.1	4.6	4.0
020-040	1.4	.2	.2									1.8	3.9	3.0
050-070	4.1	.2										4.3	2.6	2.0
(E) 080-100	12.2	.4										12.5	2.4	2.0
110-130	12.9	1.7										14.6	3.0	3.0
140-160	13.4	4.8	.2	.1								18.6	3.7	3.0
(S) 170-190	3.4	2.9	1.6	.6	.1							8.7	6.7	6.0
200-220	2.7	.2										2.9	2.9	3.0
230-250	2.0	.5										2.5	3.1	2.5
(W) 260-280	1.0	.1										1.1	3.2	3.0
290-310	1.2	.2	.2									1.7	4.3	3.0
320-340	1.2	.7	.5									2.5	4.8	4.5
VARIABLE												26.7		
CALM	////////////////////											26.7	////////////////	
TOTALS	56.6	12.8	2.8	.7	.1							100.0	2.7	3.0
TOTAL NUMBER OF OBSERVATIONS 814														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.9	.4	.2	.1								1.5	5.0	4.0
020-040	1.5	.1	.1	.1								1.9	3.9	2.0
050-070	4.1	.2					.1					4.4	2.7	2.0
(E) 080-100	12.1	1.0										13.2	2.8	3.0
110-130	16.1	1.7	.1									17.8	2.8	2.5
140-160	12.4	4.5	.4	.1								17.4	3.9	3.0
(S) 170-190	3.9	2.8	1.6	.4								8.6	6.1	5.5
200-220	.8	.1	.1									1.1	4.8	3.0
230-250	1.7	.2	.1			.1						2.2	4.5	3.0
(W) 260-280	1.0	.4										1.4	3.0	3.0
290-310	1.3	.6	.1									2.0	4.4	4.0
320-340	1.2	.3	.6	.1								2.2	6.3	4.0
VARIABLE														
CALM	////////////////////////////////////											26.4	////////////////////////////////	
TOTALS	57.0	12.3	3.3	.8		.1	.1					100.0	2.7	3.0
TOTAL NUMBER OF OBSERVATIONS 1391														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 00-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	.9	.6	.1								3.6	5.8	3.5
020-040	.9	.3	.6									1.7	6.4	4.0
050-070	1.0	.1										1.1	2.8	2.0
(E) 080-100	1.2	.2										1.4	2.6	2.5
110-130	2.2	.6	.1									2.9	3.6	3.0
140-160	3.2	3.3	2.4	.2	.1							9.2	7.0	6.5
(S) 170-190	2.9	6.7	6.9	2.2	.3							19.0	9.3	9.0
200-220	3.3	1.9	.4	.1								5.7	5.0	4.0
230-250	4.5	1.3	.1									6.0	3.6	3.0
(W) 260-280	7.6	2.5	.4	.1								10.6	3.7	3.0
290-310	7.8	3.6	.4	.1	.1		.1					12.2	4.7	4.0
320-340	5.5	1.5	1.0	.5	.2							8.8	5.4	3.0
VARIABLE														
CALM	////////////////////////////////////											17.8	////////////////////////////////	
TOTALS	42.0	22.9	12.9	3.3	.7		.1					100.0	4.8	4.0

TOTAL NUMBER OF OBSERVATIONS 1392

C - 4 - 84

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 330-010	1.4	1.2	.8	.1								3.5	6.5	5.0
020-040	.5	.5	.2									1.3	5.5	5.0
050-070	.7	.2	.1									1.0	4.1	4.0
(E) 080-100	.9	.2	.1									1.2	3.8	4.0
110-130	1.0	.5	.1									1.6	4.6	4.0
140-160	1.0	1.9	2.0	.8	.2							5.9	9.5	10.0
(S) 170-190	1.6	5.2	5.3	1.7	.2							13.9	9.5	10.0
200-220	2.0	3.2	2.4	.3								8.0	7.6	7.5
230-250	4.0	3.7	.9	.2								8.7	5.5	5.0
(W) 260-280	6.0	8.1	1.7		.1							15.9	5.7	5.0
290-310	8.0	10.3	2.9	.2	.3	.1	.1					21.9	6.3	5.0
320-340	5.3	5.4	1.5	.4	.2							12.8	6.0	5.0
VARIABLE														
CALM	////////////////////											4.6	////////	
TOTALS	32.4	40.4	18.0	3.7	1.0	.1	.1					100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 1333

C - 4 - 85

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.5	2.3	1.1									4.8	6.5	6.0
020-040	.8	1.0	.7		.1							2.6	7.6	8.0
050-070	.8	.7	.3									1.8	5.3	5.0
(E) 080-100	1.2	.3										1.5	3.5	2.0
110-130	.9	.4	.5									1.8	6.4	4.5
140-160	1.3	1.3	1.8	.5	.2	.2						5.2	9.5	10.0
(S) 170-190	3.0	4.5	3.1	1.0	.5		.2					12.2	8.9	8.0
200-220	1.5	2.3	1.6	.5	.1							5.9	8.5	8.0
230-250	2.5	3.5	1.6	.2								7.7	6.7	6.0
(W) 260-280	4.9	7.0	1.5		.1							13.5	5.9	5.0
290-310	6.9	8.7	3.1	.9	.1							19.6	6.5	6.0
320-340	6.6	6.4	2.3	.7	.1							16.1	6.1	5.0
VARIABLE														
CALM	////////////////////											7.2	////////	
TOTALS	31.9	38.4	17.6	3.8	1.2	.2	.2					100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 1013

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUCWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	5.0	1.3	.5	.1							11.2	6.4	5.0
020-040	3.5	3.7	1.9		.1							9.2	6.4	6.0
050-070	4.5	1.3	.3									6.0	3.8	3.0
(E) 080-100	3.7	.5	.3									4.5	3.3	3.0
110-130	2.3	1.3	.8									4.4	5.4	4.0
140-160	4.0	3.1	1.5									8.6	5.9	5.0
(S) 170-190	2.2	3.8	2.3	.4	.4							9.1	8.0	8.0
200-220	1.2	1.0	1.7	.1								4.0	7.9	9.0
230-250	1.5	1.2	.1	.1								2.9	5.9	4.0
(W) 260-280	2.3	.9	.4									3.6	4.4	3.5
290-310	3.3	1.7	.4									5.4	4.4	4.0
320-340	7.7	2.6	1.0	.3								11.5	4.7	3.5
VARIABLE														
CALM	////////////////////////////////////											19.6	////////////////////////////////	
TOTALS	40.4	26.1	12.0	1.4	.6							100.0	4.6	4.0
TOTAL NUMBER OF OBSERVATIONS 780														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	1.9	.6	.3	.2							4.4	7.4	6.5
020-040	2.1	1.4	1.0	.2	.2							4.8	6.8	5.0
050-070	6.8	1.6	.2									8.6	3.3	3.0
(E) 080-100	9.4	1.3	.3									11.0	3.2	3.0
110-130	6.2	.3										6.5	2.4	2.0
140-160	17.3	6.2	1.1									24.6	4.0	3.0
(S) 170-190	4.9	4.9	1.6	.2	.2							11.7	6.0	5.0
200-220	.3	.5	.2									1.0	7.0	6.0
230-250	.8	.3	.2									1.3	4.4	2.0
(W) 260-280	1.0	.5										1.4	4.3	4.0
290-310	.8	.6										1.4	4.0	3.0
320-340	1.0	1.4	.2	.2								2.7	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	52.0	20.9	5.4	.9	.6							100.0	3.6	3.0

TOTAL NUMBER OF OBSERVATIONS 630

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.7	1.6	.6	.1	.0						4.0	6.3	5.0
020-040	1.4	.8	.5	.1	.0						2.8	6.0	5.0
050-070	3.0	.5	.1				.0				3.6	3.2	3.0
(E) 080-100	5.8	.5	.1								6.4	2.8	2.0
110-130	6.2	.9	.2								7.3	3.2	3.0
140-160	7.6	3.5	1.4	.3	.1	.0					12.9	5.1	4.0
(S) 170-190	3.1	4.5	3.5	1.0	.2		.0				12.3	8.1	8.0
200-220	1.8	1.4	.9	.2	.0						4.2	6.5	5.0
230-250	2.6	1.5	.4	.1		.0					4.7	5.0	4.0
(W) 260-280	3.6	2.9	.6	.0	.0						7.1	5.0	4.0
290-310	4.4	3.8	1.0	.2	.1	.0	.0				9.5	5.7	5.0
320-340	4.0	2.7	1.0	.3	.1						8.1	5.7	5.0
VARIABLE													
CALM	////////////////////										17.1	////	////
TOTALS	45.2	24.6	10.3	2.3	.5						100.0	4.5	4.0
TOTAL NUMBER OF OBSERVATIONS 7983													

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		25.0										25.0	6.3	5.0
020-040	8.3											8.3	3.0	3.0
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190		8.3										8.3	5.0	5.0
200-220		8.3										8.3	8.0	8.0
230-250		8.3										8.3	7.0	7.0
(W) 260-280		8.3										8.3	8.0	8.0
290-310	8.3											8.3	3.0	3.0
320-340		8.3	16.7									25.0	9.3	10.0
VARIABLE														
CALM	////////////////////											.0	////////////////	
TOTALS	16.6	66.5	16.7									100.0	6.8	7.5

TOTAL NUMBER OF OBSERVATIONS 12

C - 4 - 90

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.9	.8	1.1	.5	.3							3.5	10.0	10.0
020-040	.3	.9	.5	.2								2.0	9.1	9.0
050-070	2.9	.3	.2									3.4	3.2	3.0
(E) 080-100	8.0	1.1	.2									9.2	3.0	3.0
110-130	9.8	.2										10.0	2.4	2.0
140-160	17.5	3.4	.5									21.4	3.3	3.0
(S) 170-190	4.6	3.4	1.5	.5	.2							10.1	6.1	5.0
200-220	1.5	.2	.2									1.8	3.6	2.0
230-250	1.8	.2	.2									2.2	3.2	2.5
(W) 260-280	1.1	.2										1.2	2.4	2.0
290-310	1.1	.3										1.4	3.9	3.0
320-340	.9	1.1	.3	.3								2.6	7.6	8.0
VARIABLE														
CALM	////////////////////////////////////											31.2	////////////////////////////////	
TOTALS	50.4	12.1	4.7	1.6	.5							100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 651

C - 4 - 91

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.2	.6	.2	.1							2.1	8.3	8.0
020-040	.9	.4	.1	.1								1.5	5.7	2.5
050-070	2.4	.2										2.7	2.6	2.5
(E) 080-100	9.0	.5										9.5	2.6	2.5
110-130	13.7	.9	.1									14.7	2.6	2.0
140-160	18.7	2.7	.5	.2								22.1	3.3	3.0
(S) 170-190	4.0	3.6	1.6	.2	.2							9.7	6.4	6.0
200-220	1.7	.1	.4	.2								2.4	5.2	3.5
230-250	2.2	.1										2.3	2.7	2.0
(W) 260-280	1.6	.9	.2									2.7	4.4	3.5
290-310	1.0	.6	.2									1.8	5.5	4.0
320-340	.9	1.1	.7									2.7	6.4	5.5
VARIABLE														
CALM	////////////////////											25.9	////////	
TOTALS	57.0	11.3	4.4	.9	.3							100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 823

C - 4 - 92

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.2	.5	.5	.1	.1							2.3	6.9	4.5
020-040	1.6	.5	.3	.1								2.5	5.1	3.0
050-070	3.5	.2										3.7	2.7	2.0
(E) 080-100	7.8	.7										8.5	2.7	3.0
110-130	17.0	1.6	.1									18.7	2.8	3.0
140-160	15.5	3.1	1.1		.1							19.8	3.7	3.0
(S) 170-190	4.7	2.1	2.0	.3	.1							9.2	6.2	4.0
200-220	1.4	.5	.2	.1								2.2	4.3	3.0
230-250	1.9	.3										2.2	2.9	3.0
(W) 260-280	1.4	.5	.1									1.9	3.8	3.0
290-310	1.2	.9	.1	.1								2.2	4.9	4.0
320-340	.9	1.8	.4	.1	.1							3.2	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////										23.6	////////////////////////////////		
TOTALS	58.1	12.7	4.8	.8	.4							100.0	3.0	3.0
TOTAL NUMBER OF OBSERVATIONS 1451														

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.6	.6	.2	.2		.1					4.1	6.6	4.0
020-040	.8	.6	.7	.4	.1							2.6	8.8	9.0
050-070	1.5	.3										1.8	2.9	2.0
(E) 080-100	1.7	.1										1.9	2.7	3.0
110-130	3.6	.8	.1									4.4	3.0	2.5
140-160	5.1	2.7	1.4	.4	.1							9.7	5.7	4.0
(S) 170-190	4.1	4.0	4.8	1.7	.4							15.0	8.7	9.0
200-220	2.7	.7	.5		.1							4.0	5.0	3.0
230-250	4.8	.8	.1									5.7	3.2	3.0
(W) 260-280	6.1	2.8	.2									9.1	3.8	3.5
290-310	5.7	2.8	.4	.1	.1							9.1	4.5	4.0
320-340	5.8	1.4	1.8	.6	.1	.1	.1					9.7	6.1	4.0
VARIABLE														
CALM	////////////////////////////////////											22.8	////////	
TOTALS	44.3	17.6	10.6	3.4	1.1	.1	.2					100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS 1449

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.3	1.9	.9								6.5	7.9	7.0
020-040	.6	.9	.9	.4	.3							3.0	9.9	10.0
050-070	.7	.1	.1	.1								1.0	4.6	3.5
(E) 080-100	.3	.1										.4	4.7	3.5
110-130	1.1	.3										1.4	3.6	3.0
140-160	1.2	1.3	1.1	.1	.2	.1						4.0	8.3	6.5
(S) 170-190	1.7	4.2	6.5	1.6	.9	.2	.1					15.1	10.8	10.0
200-220	1.5	2.3	1.0	.2	.1							5.1	7.2	6.0
230-250	2.8	1.9	.3		.1							5.1	5.0	4.0
(W) 260-280	7.0	5.3	1.2	.2								13.7	5.1	4.0
290-310	10.3	8.6	1.6	.4	.2							21.0	5.4	5.0
320-340	7.1	5.7	2.2	1.0	.3	.3						16.6	6.7	5.0
VARIABLE														
CALM	////////////////////											7.0	////////////////	
TOTALS	36.7	32.0	16.8	4.9	2.1	.6	.1					100.0	6.5	5.0

TOTAL NUMBER OF OBSERVATIONS 1394

C - 4 - 95

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-9	40-49	50-64	GE 65			
(W) 350-010	2.0	2.7	2.8	.6	.5							8.5	8.9	9.0
020-040	.9	1.4	1.6	.6	.1							4.6	9.2	9.0
050-070	.7	1.3	.4	.1	.1							2.6	7.4	6.0
(E) 080-100	.8	.3	.1									1.2	4.3	3.0
110-130	1.0	.1	.1									1.2	3.2	2.0
140-160	1.4	1.6	.8	.1	.1							4.0	7.1	6.0
(S) 170-190	2.0	6.2	3.2	1.5	.4	.3						13.5	9.4	8.0
200-220	1.2	1.8	1.0	.5	.3							4.7	8.6	8.0
230-250	1.6	1.1	.3	.1								3.1	4.9	4.0
(W) 260-280	4.1	3.8	.6	.2	.1							8.7	5.3	5.0
290-310	10.1	8.0	2.1	.7	.2							21.1	5.6	5.0
320-340	7.5	6.0	2.6	.7	.2							17.1	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											9.7	////////////////////////////////	
TOTALS	33.3	34.3	15.6	5.1	2.0	.3						100.0	6.3	6.0
TOTAL NUMBER OF OBSERVATIONS 1075														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.1	3.0	1.5	.2								7.7	6.4	6.0
020-040	2.8	3.3	3.0	.7								9.8	7.7	7.0
050-070	3.8	1.6	.4	.1	.1							6.0	4.9	4.0
(E) 080-100	4.2	.4										4.6	3.0	3.0
110-130	4.2	.5	.1									4.8	3.1	2.0
140-160	9.0	2.1	.9									11.9	4.0	3.0
(S) 170-190	4.1	3.4	1.6	.5	.4							10.0	6.9	5.0
200-220	.9	1.1	.1	.1	.1							2.3	6.6	5.0
230-250	.9	.1	.1									1.1	3.8	2.0
(W) 260-280	3.0	.2	.1									3.3	3.1	3.0
290-310	3.6	.5		.1	.1							4.3	3.7	2.0
320-340	4.9	2.0	.5		.1							7.5	4.4	3.0
VARIABLE														
CALM	////////////////////											26.6	////////	
TOTALS	44.5	18.2	8.3	1.7	.8							100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 813														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.7	1.7	.2	.2							4.5	9.1	9.0
020-040	.3	.9	1.1	.3								2.6	9.2	10.0
050-070	3.1	.2	.2									3.4	3.5	3.0
(E) 080-100	6.0	.3										6.3	2.6	2.0
110-130	7.7	.5										8.1	2.5	2.0
140-160	15.5	2.9	.6									19.0	3.4	3.0
(S) 170-190	9.8	3.1	2.2									15.1	4.7	3.5
200-220	1.8	.5	.6									2.9	5.2	4.0
230-250	2.5	.5										2.9	2.7	2.0
(W) 260-280	.8	.2										.9	3.3	3.0
290-310	.9		.2									1.1	4.0	3.0
320-340	1.8	2.3	.5	.5								5.1	6.6	5.0
VARIABLE														
CALM	////////////////////											28.1	////////	
TOTALS	51.0	13.1	7.1	1.0	.2							100.0	3.1	3.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	1.3	1.3	.4	.2		.0					4.9	7.8	7.0
020-040	1.0	1.0	1.0	.4	.1							3.5	8.2	8.0
050-070	2.2	.5	.1	.0	.0							2.9	3.9	3.0
(E) 080-100	4.2	.4	.0									4.6	2.8	3.0
110-130	7.1	.7	.1									7.8	2.8	2.0
140-160	9.3	2.4	1.0	.1	.1	.0						12.9	4.2	3.0
(S) 170-190	4.0	3.8	3.3	.9	.3	.1	.0					12.4	8.0	8.0
200-220	1.6	1.0	.5	.1	.1							3.4	6.2	5.0
230-250	2.5	.7	.1	.0	.0							3.4	3.8	3.0
(W) 260-280	3.6	2.1	.4	.1	.0							6.1	4.5	4.0
290-310	4.8	3.3	.7	.2	.1							9.0	5.2	4.0
320-340	4.1	2.9	1.3	.4	.1	.1	.0					8.9	6.3	5.0
VARIABLE														
CALM	////////////////////////////////////											20.3	////////////////////////////////	
TOTALS	46.2	20.1	9.8	2.6	1.0	.2						100.0	4.3	4.0
TOTAL NUMBER OF OBSERVATIONS 8307														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9		2.9									5.7	8.0	8.0
020-040	2.9	2.9										5.7	5.0	5.0
050-070														
(E) 080-100														
110-130	2.9											2.9	1.0	1.0
140-160		2.9	2.9									5.7	8.5	8.5
(S) 170-190			5.7	2.9		2.9						11.4	15.5	13.5
200-220	2.9											2.9	4.0	4.0
230-250	2.9											2.9	2.0	2.0
(W) 260-280	5.7	8.6		2.9								17.1	6.8	5.0
290-310	5.7	8.6		2.9								17.1	7.5	6.0
320-340	5.7	5.7	8.6	2.9								22.9	9.5	9.5
VARIABLE														
CALM	////////////////////											5.7	////////	
TOTALS	31.6	28.7	20.1	11.6		2.9						100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 35

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 670110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	1.6	1.3	.2	.2								3.2	5.4	4.5	
020-040	.3	.3	.3									1.0	6.8	5.5	
050-070	4.6		.2									4.8	2.5	2.0	
(E) 080-100	10.8	.6										11.4	2.4	2.0	
110-130	8.6	.5										9.0	2.6	2.0	
140-160	11.7	3.8	1.3	.6								17.5	4.5	3.0	
(S) 170-190	5.4	4.8	2.9	.3	.2							13.5	6.3	6.0	
200-220	.2	1.0	.3									1.4	7.4	8.0	
230-250	.3	.3										1.1	3.3	3.0	
(W) 260-280	1.3	.6		.2								2.1	4.3	3.0	
290-310	1.0	.6										1.6	3.9	3.0	
320-340	1.4	1.4	.6	.2								3.7	6.2	5.0	
VARIABLE															
CALM	////////////////////////////////////											29.8	////////		
TOTALS	47.7	15.2	5.8	1.5	.2							100.0	3.0	3.0	
TOTAL NUMBER OF OBSERVATIONS 630															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE MC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: - 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	.3	.3	.1								1.4	6.4	5.0
020-040	.1	.6	.1									.8	7.3	7.0
050-070	3.5	.8										4.4	3.0	2.0
(E) 080-100	9.9	1.3										11.1	2.7	2.0
110-130	9.6	.7										10.3	2.5	2.0
140-160	13.1	4.7	1.0	.4								19.2	4.1	3.0
(S) 170-190	3.5	5.1	2.3	.3								11.1	6.9	7.0
200-220	.6	.7	.8									2.1	8.2	8.0
230-250	1.4	.4	.1									2.0	3.8	3.5
(W) 260-280	1.4	.6	.3									2.3	4.6	3.0
290-310	.6	.3										.8	3.5	3.0
320-340	1.7	2.1	.8		.1		.1					4.9	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											29.5	////////////////////////////////	
TOTALS	46.1	17.6	5.7	.8	.1		.1					100.0	3.1	3.0
TOTAL NUMBER OF OBSERVATIONS 709														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUSWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.4	.3	.3									2.0	4.4	3.0
020-040	1.7	.4	.2									2.2	3.5	3.0
050-070	3.9	.4										4.3	2.7	2.0
(E) 080-100	7.9	.5										8.4	2.5	2.0
110-130	12.9	1.0										13.9	2.6	2.0
140-160	13.6	3.6	1.2	.5								19.0	4.2	3.0
(S) 170-190	5.7	3.9	2.6	.4	.2	.1						12.8	6.3	6.0
200-220	1.5	1.1	.5	.2								3.2	6.0	5.0
230-250	1.4	.1	.2									1.6	3.6	3.0
(W) 260-280	1.6	.7										2.3	3.7	3.0
290-310	1.1	.7	.3									2.0	4.7	4.0
320-340	1.7	1.5	1.3	.2	.1							4.8	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											23.6	////////////////////////////////	
TOTALS	54.4	14.2	6.6	1.3	.3	.1						100.0	3.2	3.0
TOTAL NUMBER OF OBSERVATIONS 1324														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREE)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.0	1.0	.3									3.3	4.5	3.0
020-040	.6	.8	.1	.1	.1							1.7	6.8	7.0
050-070	2.4	.2	.1									2.7	2.8	2.0
(E) 080-100	4.8	.7										5.5	2.6	2.0
110-130	5.8	1.3	.1									7.2	2.6	2.0
140-160	8.0	4.0	.9	.6	.1							13.8	5.3	4.0
(S) 170-190	4.4	5.8	3.6	1.2	.1	.1	.1					15.3	7.9	8.0
200-220	3.1	1.0	.7	.1								4.9	4.8	3.0
230-250	3.2	.7	.1									4.0	3.0	2.5
(W) 260-280	3.5	1.2										4.7	3.3	3.0
290-310	4.4	1.7	.7	.1	.1							7.0	5.0	3.0
320-340	2.5	2.3	.4	.4	.1							5.8	6.4	5.0
VARIABLE														
CALM	////////////////////////////////////										24.1	////////////////////////////////		
TOTALS	44.7	20.7	7.0	2.7	.5	.1	.1					100.0	3.9	3.0
TOTAL NUMBER OF OBSERVATIONS 1355														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.3	1.1									4.4	5.8	5.0
020-040	1.1	.8	.3									2.1	5.1	4.5
050-070	.8	.4	.4									1.6	5.5	4.0
(E) 080-100	1.4	.1		.1								1.6	3.5	3.0
110-130	1.5	.2	.1									1.8	3.4	3.0
140-160	3.4	2.6	1.7	.5	.5							8.6	7.7	6.0
(S) 170-190	2.4	5.9	6.4	2.0	.2		.1					17.0	9.5	10.0
200-220	2.0	3.0	1.6	.6	.1	.1	.1					7.4	8.1	7.0
230-250	3.3	1.2	.4	.2								5.0	4.9	4.0
(W) 260-280	6.5	3.8	.4									10.6	4.3	4.0
290-310	9.4	4.4	1.4	.4	.1	.1						15.6	4.9	4.0
320-340	6.8	4.2	1.9	1.1		.1						14.0	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											10.4	////////////////////////////////	
TOTALS	40.6	27.9	15.7	4.9	.9	.3	.2					100.0	5.8	5.0
TOTAL NUMBER OF OBSERVATIONS 1332														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.4	1.6	.1		.1						5.0	7.1	6.0
020-040	.9	1.6	.6	.1								3.2	7.0	7.0
050-070	2.2	.9	.4	.1								3.6	5.2	4.0
(E) 080-100	1.4	.1										1.5	2.5	2.0
110-130	1.4	.4										1.8	3.2	3.0
140-160	3.1	2.8	2.0	.5	.3							8.6	7.4	7.0
(S) 170-190	4.1	5.1	4.4	1.3	.1							15.0	8.0	8.0
200-220	1.1	2.5	1.3	.5	.2							5.6	8.5	8.0
230-250	2.3	1.2	.2									3.7	4.2	3.0
(W) 260-280	5.9	2.3	.3	.2								8.7	4.3	4.0
290-310	8.9	5.1	1.0	.2	.1							15.3	4.6	4.0
320-340	7.7	4.0	1.8	.5								14.0	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											14.0	////////////////////////////////	
TOTALS	40.8	27.4	13.6	3.5	.7	.1						100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 1065

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.6	1.4	.1								6.3	6.4	6.0
020-040	2.6	1.8	.6	.3								5.3	5.6	5.0
050-070	3.7	.8	.3									4.8	3.6	2.0
(E) 080-100	6.2	.3										6.4	2.7	2.0
110-130	7.1	.3										7.3	2.7	2.0
140-160	9.9	3.7	1.8	.5								16.0	4.9	3.0
(S) 170-190	5.1	6.4	1.2	.1								12.9	5.5	5.0
200-220	1.0	1.2	.3	.4								2.8	7.3	7.5
230-250	1.9	.4										2.3	3.1	2.5
(W) 260-280	2.4	.3										2.7	2.4	2.0
290-310	2.1	.6										2.7	3.4	2.0
320-340	2.6	1.7	.6	.1								5.0	5.3	4.0
VARIABLE														
CALM	////////////////////											25.5	////////	
TOTALS	46.8	20.1	6.2	1.5								100.0	3.4	3.0
TOTAL NUMBER OF OBSERVATIONS 777														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	2.1										3.2	4.8	5.0
020-040	.3	1.0	1.0	.2								2.4	8.3	9.0
050-070	3.7	.2										3.8	2.6	3.0
(E) 080-100	7.8											7.8	2.3	2.0
110-130	8.1	1.1	.3									9.5	3.1	2.0
140-160	14.9	4.6	1.7	.6								21.9	4.5	3.0
(S) 170-190	5.9	7.1	.8	.3								14.1	5.5	6.0
200-220	.6	1.1	.2		.2							2.1	6.8	6.0
230-250	1.1	.6	.2									1.9	4.3	3.0
(W) 260-280	2.9	.6										3.5	3.2	2.0
290-310	1.0	.6		.3								1.9	5.7	4.5
320-340	1.7	1.9	.6									4.3	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											23.7	//////////	
TOTALS	49.1	20.9	4.8	1.4	.2							100.0	3.4	3.0
TOTAL NUMBER OF OBSERVATIONS 630														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.7	1.2	.7	.1		.0						3.6	5.7
020-040	1.0	.9	.4	.1	.0							2.3	5.9
050-070	2.9	.5	.2	.0								3.5	3.4
(E) 080-100	5.6	.4		.0								6.0	2.6
110-130	6.5	.7	.1									7.3	2.8
140-160	9.0	3.6	1.4	.6	.2							14.7	5.1
(S) 170-190	4.4	5.4	3.4	.9	.1	.0	.0					14.3	7.4
200-220	1.5	1.5	.8	.3	.1	.0	.0					4.2	7.1
230-250	2.1	.7	.2	.0								3.0	3.9
(W) 260-280	3.5	1.5	.1	.0								5.1	3.9
290-310	4.2	2.0	.5	.1	.0	.0						6.9	4.7
320-340	3.6	2.5	1.1	.4	.1	.0	.0					7.7	6.1
VARIABLE													
CALM	////////////////////										21.4	////	////
TOTALS	46.0	20.9	8.9	2.5	.5							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7822

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.9	1.0	1.0									5.9	4.3	3.0
020-040	1.0	2.0										2.9	3.7	5.0
050-070	2.0											2.0	2.0	2.0
(E) 080-100	3.9											3.9	2.0	2.0
110-130	4.9											4.9	1.6	2.0
140-160	11.8	1.0										12.7	2.2	2.0
(S) 170-190	5.9		1.0									6.9	3.0	2.0
200-220		1.0										1.0	5.0	5.0
230-250	3.9	2.9	1.0									7.8	5.9	5.5
(W) 260-280	2.0	11.8	1.0									14.7	6.2	6.0
290-310	2.9	2.0	2.0	1.0								7.8	8.0	7.0
320-340	2.0	5.9	3.9	2.9	1.0							15.7	10.0	9.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////	
TOTALS	44.2	27.6	9.9	3.9	1.0							100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 102

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.3	.2									1.4	3.7	2.0
020-040	.8	.5										1.2	4.8	4.0
050-070	3.1											3.1	2.3	2.0
(E) 080-100	6.0	.2										6.1	2.1	2.0
110-130	7.8	.5										8.3	2.6	2.0
140-160	16.0	1.8	.8	.2								18.7	3.4	3.0
(S) 170-190	4.5	3.7	2.8	1.2								12.1	7.2	7.0
200-220	1.5	.2										1.7	2.3	2.0
230-250	1.7	.2										1.8	2.4	2.0
(W) 260-280	2.5	.6	.2									3.2	3.4	3.0
290-310	1.7	.5										2.2	2.7	2.0
320-340	2.2	1.1										3.2	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											36.9	////////////////////////////////	
TOTALS	48.7	9.6	4.0	1.4								100.0	2.4	3.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE MC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.4										1.4	3.2	3.5
020-040	1.0	.1	.4									1.5	5.2	3.0
050-070	4.1	.1										4.2	2.4	2.0
(E) 080-100	7.8	.1										7.9	2.3	2.0
110-130	8.7	.4										9.1	2.6	2.0
140-160	11.7	2.6	.3	.5								15.1	4.0	3.0
(S) 170-190	3.0	3.1	2.2	1.0		.1						9.4	7.8	7.0
200-220	1.8		.3		.1							2.2	5.4	4.0
230-250	3.8	.8	.1									4.8	3.3	3.0
(W) 260-280	2.3	.5										2.9	2.8	2.0
290-310	1.1	.3										1.4	3.7	3.0
320-340	1.6	1.5	.1									3.3	4.4	4.5
VARIABLE														
CALM	////////////////////////////////////											37.0	////////////////////////////////	
TOTALS	47.9	9.9	3.4	1.5	.1	.1						100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS 735



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.8	.3									2.8	4.5	3.0
020-040	1.0	.4		.1								1.5	4.3	3.0
050-070	4.2	.1	.1	.2								4.5	3.0	2.0
(E) 080-100	7.6	.5										8.1	2.5	2.0
110-130	11.9	1.4	.1									13.4	2.9	3.0
140-160	10.7	2.9	.6	.2								14.5	3.8	3.0
(S) 170-190	4.9	2.6	2.1	.4	.2							10.2	6.5	5.0
200-220	2.0	.4	.5	.4	.2							3.4	6.6	3.0
230-250	2.2	.3	.1	.1								2.7	3.4	2.0
(W) 260-280	2.3	.5			.1							2.8	3.2	2.0
290-310	2.9	1.2	.3	.2		.1						4.7	4.9	3.0
320-340	2.9	1.1	.2	.1								4.2	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											27.2	////////	
TOTALS	54.4	12.2	4.3	1.7	.5	.1						100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 1303														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.9	.4	.1	.1							2.9	6.6	5.0
020-040	1.6	.3	.1	.1								2.2	3.8	3.0
050-070	3.1	.1		.2								3.4	3.3	2.0
(E) 080-100	5.0	.7										5.8	2.9	3.0
110-130	8.2	1.2	.1									9.6	2.9	3.0
140-160	9.4	2.8	1.0	.2	.1							13.5	4.3	3.0
(S) 170-190	6.5	2.4	1.5	1.0	.4	.1						11.9	6.4	4.0
200-220	2.5	.7	.7	.4	.1	.1						4.5	6.7	4.0
230-250	3.1	.4	.4									3.9	3.6	2.0
(W) 260-280	3.4	.6	.1	.1								4.2	3.2	2.5
290-310	3.7	1.3	.2		.3							5.5	4.7	3.0
320-340	3.5	1.5	.4		.1							5.6	4.7	3.0
VARIABLE														
CALM	////////////////////////////////////											27.2	////////	
TOTALS	51.3	12.9	4.9	2.1	1.1	.2						100.0	3.3	3.0

TOTAL NUMBER OF OBSERVATIONS 1339

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.0	.8	.2	.1							3.5	6.7	6.0
020-040	1.4	.5	.1									1.9	3.7	3.0
050-070	1.4	.4	.2	.1	.2							2.2	5.6	3.0
(E) 080-100	1.9	.4										2.3	2.8	2.0
110-130	2.7	.8	.5	.1								4.0	4.6	3.0
140-160	4.9	2.6	1.2	.3								9.0	5.4	4.0
(S) 170-190	3.7	5.1	3.7	1.0	.5							14.0	8.3	8.0
200-220	3.2	1.2	1.4	.6	.2	.1						6.7	7.3	5.0
230-250	3.5	.6	.3	.2	.1							4.6	4.0	2.0
(W) 260-280	8.8	1.7	.1									10.6	3.1	3.0
290-310	8.3	2.8	1.1	.2								12.4	4.6	3.0
320-340	7.3	2.7	1.4	.5	.2							12.1	5.2	3.0
VARIABLE														
CALM	////////////////////											16.8	////	////
TOTALS	48.6	19.8	10.8	3.2	1.3	.1						100.0	4.5	4.0
TOTAL NUMBER OF OBSERVATIONS 1326														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.1	1.1	.5	.6								4.3	6.8	5.0
020-040	1.1	1.3	1.1	.2								3.6	7.3	7.0
050-070	2.0	.3	.2	.2	.2							2.8	5.3	3.0
(E) 080-100	2.4	.1										2.4	2.3	2.0
110-130	2.1	.4		.2								2.6	4.3	3.0
140-160	3.6	2.9	.5	.1								7.2	5.1	4.0
(S) 170-190	3.5	5.3	2.4	1.0								12.2	7.4	7.0
200-220	2.3	1.4	.8	.7								5.2	6.5	5.0
230-250	4.7	.6	.4	.1								5.8	3.7	2.0
(W) 260-280	7.7	1.3										9.0	2.9	2.0
290-310	9.1	2.7	.5		.1							12.4	3.9	3.0
320-340	7.6	2.5	1.6	.6	.4							12.8	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////											19.7	////////	
TOTALS	48.2	19.9	8.0	3.7	.7							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 1104

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	1.6	1.6	.3								6.9	6.3	5.0
020-040	1.7	1.1	.3		.3							3.4	6.3	4.0
050-070	3.2	.4	.4	.3								4.3	4.4	3.0
(E) 080-100	4.6	.7										5.2	2.7	2.0
110-130	4.3	.3										4.6	2.3	2.0
140-160	9.4	2.0	.7	.1								12.2	3.7	3.0
(S) 170-190	6.2	2.7	2.4	.7								12.0	6.1	4.0
200-220	1.9	.8	.4									3.1	5.1	4.0
230-250	3.0	.5										3.5	2.9	2.0
(W) 260-280	3.6	.1	.1									3.9	2.4	2.0
290-310	2.7	.1										2.8	2.3	2.0
320-340	4.0	2.0	.4									6.5	4.3	3.0
VARIABLE														
CALM	////////////////////////////////////										31.7	////////////////////////////////		
TOTALS	48.0	12.3	6.3	1.4	.3							100.0	2.9	3.0
TOTAL NUMBER OF OBSERVATIONS 744														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.8	.5									2.5	6.5	5.5
020-040	.8	.8	.6									2.2	6.4	6.0
050-070	4.1		.3									4.5	2.8	2.0
(E) 080-100	6.0	.2										6.1	2.4	2.0
110-130	7.7	.8										8.4	2.6	2.0
140-160	14.0	1.7	1.1	.3								17.1	3.5	2.0
(S) 170-190	5.1	3.7	1.8	.8								11.4	6.2	5.0
200-220	1.5	.2	.2									1.8	3.3	2.0
230-250	2.6											2.6	2.1	2.0
(W) 260-280	2.2	.8	.2									3.1	3.6	3.0
290-310	3.1	.2	.2									3.4	2.9	2.0
320-340	3.7	1.4	.3									5.4	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											31.6	////////////////////////////////	
TOTALS	52.0	10.6	5.2	1.1								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.7	.9	.5	.2	.0							3.3	6.0	4.0
020-040	1.2	.6	.3	.1	.0							2.2	5.4	4.0
050-070	3.0	.2	.1	.1	.1							3.5	3.6	2.0
(E) 080-100	4.9	.4										5.3	2.5	2.0
110-130	6.6	.8	.1	.0								7.6	3.0	3.0
140-160	9.2	2.5	.8	.2	.0							12.8	4.1	3.0
(S) 170-190	4.7	3.6	2.4	.9	.2	.0						11.8	7.0	6.0
200-220	2.2	.7	.6	.3	.1	.0						4.0	6.3	4.0
230-250	3.1	.5	.2	.1	.0							3.8	3.4	2.0
(W) 260-280	4.5	.8	.1	.0	.0							5.4	3.0	2.0
290-310	4.5	1.4	.4	.1	.1	.0						6.4	4.2	3.0
320-340	4.4	1.8	.6	.2	.1							7.1	4.8	3.0
VARIABLE														
CALM	////////////////////////////////////											26.9	////////////////////////////////	
TOTALS	50.0	14.2	6.1	2.2	.6							100.0	3.3	3.0

TOTAL NUMBER OF OBSERVATIONS 7853

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	.7	.2	.2								2.5	4.9	3.5
020-040	1.1		.2									1.2	3.1	2.0
050-070	3.9											3.9	1.8	2.0
(E) 080-100	3.7	.4										4.1	2.4	2.0
110-130	6.4	.2										6.6	2.2	2.0
140-160	5.2	.4										5.5	2.3	2.0
(S) 170-190	5.0	.4	.2									5.5	2.5	2.0
200-220	3.6	.2	.7									4.4	3.8	2.0
230-250	2.7	.4										3.0	2.3	2.0
(W) 260-280	4.8	.5										5.3	2.6	2.0
290-310	5.9	1.2	2.0	.2								9.3	5.1	3.0
320-340	7.7	1.4	1.1	.2	.4							10.7	4.5	3.0
VARIABLE														
CALM	////////////////////////////////////											37.9	////////	////////
TOTALS	51.4	5.8	4.4	.6	.4							100.0	2.1	2.0

TOTAL NUMBER OF OBSERVATIONS 562

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OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.6	1.0	.3	.1	.0	.0	.0				4.6	7.1	6.0
020-040	1.3	1.2	.7	.2	.1	.0						3.4	7.0	6.0
050-070	2.8	.6	.2	.0	.0	.0	.0					3.6	3.8	3.0
(E) 080-100	4.8	.6	.1	.0	.0							5.5	3.0	3.0
110-130	5.8	1.0	.1	.0	.0							6.9	3.2	3.0
140-160	7.8	3.0	1.2	.3	.1	.0	.0					12.4	4.9	3.0
(S) 170-190	4.0	4.3	3.4	1.1	.3	.0	.0					13.2	8.0	7.0
200-220	1.9	1.4	1.0	.3	.2	.0	.0		.0			4.8	7.5	6.0
230-250	2.5	1.3	.4	.1	.0	.0	.0					4.4	5.2	4.0
(W) 260-280	3.6	2.5	.6	.1	.0	.0	.0					6.8	5.1	4.0
290-310	3.8	3.2	1.0	.3	.1	.0	.0	.0				8.3	5.9	5.0
320-340	3.7	3.1	1.4	.5	.1	.0	.0					8.9	6.6	5.0
VARIABLE														
CALM	////////////////////////////////////											17.2	////////////////////////////////	
TOTALS	43.7	23.8	11.1	3.2	1.0							100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS: 98065

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39			
(N) 350-010	2.0	2.4	1.0	.2	.1				5.8	6.6	6.0
020-040	1.0	.9	.4	.1					2.3	5.4	5.0
050-070	3.0	.1	.2						3.3	2.7	2.0
(E) 080-100	2.8	.3							3.1	2.5	2.0
110-130	4.5	.1							4.6	2.2	2.0
140-160	5.1	.7	.3						6.1	3.1	2.0
(S) 170-190	4.3	.9	.6	.1	.2	.2			6.3	5.3	3.0
200-220	2.6	.3	.4	.1	.1				3.5	4.7	3.0
230-250	3.3	.9	.1						4.3	3.3	3.0
(W) 260-280	5.5	2.6	.8	.2		.1			9.2	4.7	4.0
290-310	6.4	3.6	2.0	.7	.2	.1			13.0	6.5	5.0
320-340	5.6	3.5	3.9	1.5	.7	.3			15.4	8.3	7.0
VARIABLE											
CALM	////////////////////								23.0	////////	
TOTALS	46.1	16.3	9.7	2.9	1.3	.7			100.0	4.2	3.0

TOTAL NUMBER OF OBSERVATIONS: 1684



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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE 20000	70.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE 18000	70.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE 16000	71.0	71.3	72.5	72.5	72.7	72.7	72.8	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 14000	71.3	71.6	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4
GE 12000	72.8	73.1	74.3	74.3	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	75.0	75.0	75.0	75.0
GE 10000	75.1	75.4	76.7	76.7	76.3	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3
GE 9000	75.3	75.6	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4
GE 8000	78.2	78.5	79.7	79.7	79.9	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3
GE 7000	81.4	81.7	82.9	82.9	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6
GE 6000	82.5	82.8	84.0	84.0	84.2	84.2	84.3	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 5000	85.9	86.2	87.4	87.4	87.6	87.6	87.7	87.7	87.7	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 4500	86.6	86.9	88.2	88.2	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.8
GE 4000	87.3	87.6	88.8	88.9	89.4	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.9	89.9	89.9	89.9
GE 3500	87.9	88.2	89.4	89.6	90.3	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.8	90.8	90.8	90.8
GE 3000	88.5	88.8	90.0	90.2	90.9	90.9	91.1	91.1	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.6
GE 2500	88.5	88.8	90.0	90.2	90.9	90.9	91.1	91.1	91.1	91.7	91.7	91.7	91.9	91.9	91.9	91.9
GE 2000	88.6	88.9	90.2	90.6	91.7	91.7	91.9	92.0	92.0	92.6	92.6	92.6	92.8	92.8	92.8	92.8
GE 1800	88.9	89.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 1500	88.9	89.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 1200	88.9	89.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 1000	88.9	89.2	90.5	90.9	92.5	92.5	92.6	92.9	93.2	93.9	93.9	93.9	94.0	94.0	94.0	94.0
GE 900	88.9	89.2	90.9	91.4	93.1	93.1	93.4	93.7	94.2	94.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 800	88.9	89.2	90.9	91.4	93.1	93.1	93.4	93.7	94.2	94.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 700	88.9	89.2	90.9	91.4	93.1	93.1	93.4	93.7	94.2	94.8	94.9	94.9	95.4	95.4	95.4	95.4
GE 600	88.9	89.2	90.9	91.4	93.1	93.2	93.7	94.2	94.8	95.4	95.5	95.5	96.0	96.5	96.6	96.6
GE 500	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.0	96.0	96.8	97.2	98.2	98.6
GE 400	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.5
GE 300	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.5
GE 200	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.8
GE 100	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	100.0
GE 000	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 20000	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 18000	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 16000	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 14000	67.2	67.2	68.1	68.4	68.5	68.5	68.8	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	69.6	69.6	70.6	70.8	71.0	71.0	71.3	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	73.7	73.7	74.9	75.2	75.3	75.3	75.6	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 9000	74.1	74.1	75.3	75.6	75.7	75.7	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 8000	76.3	76.3	77.5	77.8	77.9	77.9	78.2	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 7000	79.3	79.3	80.5	80.8	80.9	80.9	81.2	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	81.2	81.3	82.7	83.0	83.1	83.1	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 5000	84.1	84.3	86.1	86.4	86.5	86.5	86.8	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4500	84.6	85.0	86.8	87.1	87.2	87.2	87.5	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 4000	86.6	87.1	88.8	89.2	89.5	89.5	89.9	90.1	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6
GE 3500	87.3	87.7	89.5	89.9	90.2	90.2	90.6	90.7	90.7	91.1	91.4	91.4	91.6	91.6	91.6	91.6
GE 3000	87.6	88.1	89.9	90.7	91.0	91.0	91.4	91.7	91.7	92.2	92.5	92.5	92.6	92.6	92.6	92.6
GE 2500	88.0	88.6	90.3	91.3	91.6	91.6	92.0	92.2	92.2	92.8	93.5	93.5	93.6	93.6	93.6	93.6
GE 2000	88.1	88.7	90.5	91.6	92.0	92.0	92.4	92.6	92.6	93.3	94.0	94.0	94.1	94.1	94.1	94.1
GE 1800	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	92.8	93.5	94.1	94.1	94.3	94.3	94.3	94.3
GE 1500	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	92.9	93.6	94.3	94.3	94.4	94.4	94.4	94.4
GE 1200	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	92.9	93.7	94.4	94.4	94.6	94.6	94.6	94.6
GE 1000	88.4	89.0	90.7	91.8	92.2	92.2	92.8	93.1	93.2	94.1	94.8	94.8	95.0	95.0	95.0	95.0
GE 900	88.4	89.0	90.7	91.8	92.2	92.4	92.9	93.6	93.7	94.7	95.4	95.4	95.5	95.5	95.6	95.6
GE 800	88.4	89.0	90.7	91.8	92.5	92.6	93.2	93.9	94.0	95.0	95.6	95.6	95.8	95.8	95.9	95.9
GE 700	88.6	89.2	91.0	92.1	92.8	92.9	93.5	94.1	94.3	95.2	95.9	95.9	96.0	96.2	96.5	96.5
GE 600	88.6	89.2	91.0	92.1	92.9	93.1	93.7	94.4	94.6	95.6	96.3	96.3	96.6	96.7	97.1	97.1
GE 500	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.6	96.6	97.0	97.3	98.0	98.5
GE 400	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE 300	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE 200	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE 100	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE 000	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 734

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.2	57.3	57.7	57.9	58.3	58.3	58.7	58.8	58.8	58.8	58.9	58.9	59.3	59.3	59.3	59.5
GE 20000	58.6	58.8	59.2	59.4	59.8	59.8	60.2	60.3	60.3	60.3	60.4	60.4	60.8	60.8	60.9	61.0
GE 18000	58.5	58.8	59.2	59.4	59.8	59.8	60.2	60.3	60.3	60.3	60.4	60.4	60.9	60.9	61.0	61.1
GE 16000	58.6	58.8	59.2	59.4	59.8	59.8	60.2	60.3	60.3	60.3	60.4	60.4	60.9	60.9	61.0	61.1
GE 14000	60.2	60.3	60.7	61.0	61.3	61.3	61.7	61.8	61.8	61.9	61.9	61.9	62.4	62.4	62.5	62.6
GE 12000	63.2	63.3	63.8	64.0	64.4	64.4	64.8	64.9	64.9	65.0	65.0	65.0	65.5	65.5	65.6	65.7
GE 10000	69.0	69.2	69.7	69.9	70.3	70.3	70.7	70.8	70.8	70.9	70.9	70.9	71.4	71.4	71.5	71.6
GE 9000	70.1	70.3	70.9	71.1	71.6	71.6	72.0	72.1	72.1	72.1	72.2	72.2	72.7	72.7	72.8	72.9
GE 8000	72.3	72.5	73.0	73.2	73.7	73.7	74.2	74.2	74.2	74.3	74.4	74.4	74.9	74.9	75.0	75.1
GE 7000	75.1	75.3	75.8	76.1	76.5	76.5	77.0	77.0	77.0	77.1	77.2	77.2	77.7	77.7	77.8	77.9
GE 6000	77.4	77.6	78.2	78.4	79.1	79.1	79.5	79.6	79.6	79.6	79.8	79.8	80.3	80.3	80.4	80.5
GE 5000	81.2	81.4	82.1	82.4	83.1	83.1	83.6	83.8	83.8	83.8	84.1	84.1	84.6	84.6	84.7	84.8
GE 4500	82.1	82.3	83.2	83.5	84.3	84.3	84.7	84.9	84.9	85.0	85.3	85.3	85.8	85.8	85.9	86.0
GE 4000	84.1	84.4	85.4	85.7	86.5	86.5	87.0	87.2	87.2	87.3	87.6	87.6	88.3	88.3	88.4	88.6
GE 3500	84.3	84.6	85.4	86.0	86.8	86.9	87.4	87.6	87.6	87.6	88.0	88.0	88.7	88.7	88.8	88.9
GE 3000	85.3	85.6	86.7	87.2	88.2	88.3	88.8	89.0	89.0	89.1	89.5	89.5	90.2	90.2	90.2	90.4
GE 2500	86.1	86.5	87.6	88.3	89.3	89.3	89.8	90.1	90.1	90.2	90.6	90.6	91.3	91.3	91.4	91.6
GE 2000	86.8	87.2	88.4	89.1	90.1	90.2	90.7	90.9	90.9	91.0	91.4	91.4	92.2	92.2	92.3	92.5
GE 1800	86.8	87.2	88.4	89.1	90.1	90.2	90.7	91.0	91.0	91.1	91.5	91.5	92.3	92.3	92.3	92.6
GE 1500	86.9	87.3	88.5	89.3	90.3	90.5	91.0	91.3	91.3	91.4	91.8	91.8	92.6	92.6	92.6	92.8
GE 1200	87.0	87.4	88.6	89.5	90.5	90.7	91.2	91.5	91.5	91.7	92.1	92.1	92.9	92.9	93.0	93.3
GE 1000	87.0	87.5	88.7	89.6	90.7	91.0	91.6	92.0	92.0	92.2	92.6	92.6	93.4	93.4	93.5	93.8
GE 900	87.2	87.7	89.0	89.9	90.9	91.3	91.9	92.3	92.3	92.5	92.9	92.9	93.7	93.7	93.8	94.0
GE 800	87.3	87.8	89.0	90.0	91.2	91.5	92.3	92.6	92.6	92.8	93.3	93.3	94.0	94.0	94.2	94.4
GE 700	87.5	88.0	89.3	90.2	91.4	91.7	92.6	92.9	92.9	93.1	93.7	93.7	94.5	94.5	94.7	94.9
GE 600	87.5	88.0	89.3	90.2	91.5	91.9	92.7	93.0	93.1	93.4	94.1	94.1	94.9	95.0	95.4	95.6
GE 500	87.5	88.0	89.4	90.4	91.6	92.0	93.0	93.5	93.6	94.0	94.7	94.7	95.8	95.9	96.5	97.0
GE 400	87.6	88.1	89.5	90.4	91.7	92.1	93.1	93.7	93.8	94.2	94.9	94.9	96.0	96.1	97.1	98.0
GE 300	87.6	88.1	89.5	90.5	91.9	92.2	93.3	93.8	93.9	94.3	95.0	95.0	96.2	96.3	97.5	98.7
GE 200	87.6	88.1	89.5	90.5	91.9	92.2	93.3	93.8	93.9	94.3	95.0	95.0	96.3	96.4	97.7	99.0
GE 100	87.6	88.1	89.5	90.5	91.9	92.3	93.3	93.9	94.0	94.4	95.1	95.1	96.4	96.5	97.9	99.9
GE 000	87.6	88.1	89.5	90.5	91.9	92.3	93.3	93.9	94.0	94.4	95.1	95.1	96.4	96.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1424

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	50.2	50.6	51.0	51.2	51.3	51.3	51.3	51.3	51.5	51.7	51.7	51.8	51.8	51.8	52.1
GE 20000	52.5	52.8	53.1	53.6	53.8	53.9	53.9	53.9	53.9	54.2	54.3	54.3	54.4	54.4	54.4	54.7
GE 18000	53.1	53.3	53.7	54.2	54.4	54.4	54.5	54.5	54.5	54.7	54.8	54.8	55.0	55.0	55.0	55.3
GE 16000	53.3	53.6	53.9	54.4	54.6	54.7	54.8	54.8	54.8	55.0	55.1	55.1	55.3	55.3	55.3	55.5
GE 14000	56.1	56.3	56.7	57.2	57.4	57.4	57.5	57.5	57.5	57.7	57.9	57.9	58.0	58.0	58.0	58.3
GE 12000	60.8	61.1	61.4	61.9	62.1	62.2	62.3	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	63.0
GE 10000	66.0	66.4	66.8	67.3	67.5	67.5	67.6	67.6	67.6	67.8	67.9	67.9	68.1	68.1	68.1	68.4
GE 9000	67.4	67.7	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.2	69.3	69.3	69.5	69.5	69.5	69.7
GE 8000	70.7	71.0	71.4	71.9	72.1	72.2	72.3	72.3	72.3	72.5	72.6	72.6	72.8	72.8	72.8	73.0
GE 7000	73.6	73.9	74.4	74.9	75.2	75.3	75.4	75.4	75.4	75.6	75.7	75.7	75.8	75.8	75.8	76.2
GE 6000	76.1	76.5	76.9	77.5	77.8	77.9	78.0	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.8
GE 5000	80.7	81.1	81.7	82.4	82.8	82.8	83.0	83.1	83.1	83.3	83.6	83.6	83.7	83.7	83.7	84.1
GE 4500	81.9	82.3	82.9	83.5	84.1	84.1	84.4	84.4	84.4	84.7	85.0	85.0	85.1	85.1	85.2	85.5
GE 4000	84.4	84.8	85.4	86.1	86.6	86.7	86.9	87.0	87.0	87.4	87.7	87.7	87.9	87.9	87.9	88.3
GE 3500	84.9	85.4	86.1	87.0	87.6	87.7	87.9	88.0	88.0	88.5	88.7	88.7	88.9	88.9	88.9	89.3
GE 3000	85.7	86.1	86.9	87.9	88.6	88.7	88.9	89.0	89.0	89.5	89.9	89.9	90.0	90.0	90.1	90.5
GE 2500	86.1	86.5	87.3	88.3	89.1	89.2	89.4	89.6	89.6	90.3	90.5	90.5	90.7	90.7	90.7	91.1
GE 2000	86.4	86.9	87.7	88.7	89.5	89.6	89.9	90.1	90.1	90.9	91.1	91.1	91.3	91.3	91.4	91.8
GE 1800	86.4	86.9	87.7	88.7	89.5	89.6	89.9	90.1	90.1	90.9	91.1	91.1	91.3	91.3	91.4	91.8
GE 1500	86.7	87.2	88.1	89.2	90.0	90.3	90.7	91.1	91.1	91.9	92.2	92.2	92.4	92.4	92.5	92.9
GE 1200	87.0	87.4	88.5	89.6	90.5	90.7	91.1	91.6	91.6	92.5	92.9	92.9	93.1	93.1	93.2	93.6
GE 1000	87.0	87.6	88.8	89.8	90.9	91.1	91.6	92.1	92.1	93.2	93.5	93.5	93.8	93.8	94.0	94.4
GE 900	87.0	87.6	88.8	89.8	90.9	91.1	91.6	92.1	92.1	93.2	93.5	93.5	93.8	93.8	94.0	94.4
GE 800	87.0	87.9	89.0	90.0	91.1	91.4	91.8	92.3	92.3	93.5	93.8	93.8	94.0	94.0	94.2	94.7
GE 700	87.0	87.9	89.1	90.2	91.2	91.5	92.0	92.5	92.6	93.8	94.3	94.3	94.6	94.6	94.9	95.5
GE 600	87.1	88.0	89.2	90.4	91.6	91.9	92.4	92.9	93.1	94.6	95.1	95.1	95.5	95.6	95.9	96.5
GE 500	87.1	88.0	89.2	90.5	91.7	92.0	92.5	93.1	93.3	94.9	95.4	95.4	95.8	96.0	96.4	97.2
GE 400	87.1	88.1	89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.2	96.8	97.4	98.7
GE 300	87.1	88.1	89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.4	97.0	97.6	99.1
GE 200	87.1	88.1	89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.7	99.8
GE 100	87.1	88.1	89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.8	100.0
GE 000	87.1	88.1	89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1457

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.0	58.2	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9
GE 20000	60.7	61.0	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 18000	61.1	61.3	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
GE 16000	61.5	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5
GE 14000	63.0	63.3	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 12000	66.5	66.8	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
GE 10000	70.8	71.1	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 9000	72.1	72.3	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 8000	75.0	75.3	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2
GE 7000	77.3	77.6	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
GE 6000	79.5	79.7	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 5000	82.6	82.8	83.7	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	83.7	84.0	84.9	85.1	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4000	85.5	85.8	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 3500	86.6	86.9	88.0	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
GE 3000	87.6	88.0	89.4	89.8	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
GE 2500	87.8	88.3	89.7	90.0	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
GE 2000	88.1	88.7	90.2	90.6	91.1	91.1	91.4	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.7
GE 1800	88.1	88.7	90.2	90.6	91.1	91.1	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.8
GE 1500	88.5	89.1	90.7	91.2	91.9	92.0	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.9
GE 1200	89.2	89.8	91.5	92.0	92.7	92.8	93.2	93.3	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.9
GE 1000	89.2	89.8	91.6	92.1	93.1	93.2	93.7	93.9	94.1	94.6	94.7	94.7	94.7	94.7	94.8	94.9
GE 900	89.2	89.8	91.7	92.3	93.4	93.4	94.1	94.4	94.5	95.1	95.2	95.2	95.2	95.3	95.5	95.6
GE 800	89.2	89.8	91.8	92.4	93.4	93.5	94.2	94.5	94.7	95.2	95.4	95.4	95.4	95.5	95.7	95.8
GE 700	89.2	89.8	91.8	92.7	93.9	94.0	94.7	95.2	95.4	96.0	96.2	96.2	96.3	96.4	96.6	96.7
GE 600	89.3	89.9	91.9	92.9	94.1	94.1	94.8	95.4	95.6	96.4	96.6	96.6	96.8	96.9	97.1	97.2
GE 500	89.3	89.9	91.9	92.9	94.1	94.2	94.9	95.5	95.7	96.5	96.8	96.8	97.4	97.4	97.6	97.8
GE 400	89.3	89.9	91.9	92.9	94.1	94.2	94.9	95.5	95.7	96.5	96.8	96.8	97.4	97.6	98.1	99.1
GE 300	89.3	89.9	91.9	92.9	94.1	94.2	95.0	95.6	95.8	96.5	96.9	96.9	97.6	97.9	98.4	99.7
GE 200	89.3	89.9	91.9	92.9	94.2	94.3	95.0	95.6	95.9	96.6	97.0	97.0	97.9	98.1	98.6	99.9
GE 100	89.3	89.9	91.9	92.9	94.2	94.3	95.0	95.6	95.9	96.6	97.0	97.0	97.9	98.1	98.6	100.0
GE 000	89.3	89.9	91.9	92.9	94.2	94.3	95.0	95.6	95.9	96.6	97.0	97.0	97.9	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1446

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.3	58.7	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
GE 20000	59.6	59.8	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6
GE 18000	59.9	60.2	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
GE 16000	60.4	60.7	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4
GE 14000	61.9	62.2	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0
GE 12000	65.7	65.9	66.4	66.4	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9
GE 10000	70.8	71.0	71.5	71.5	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
GE 9000	72.2	72.5	72.9	73.0	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5
GE 8000	76.0	76.2	76.6	76.7	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
GE 7000	78.5	78.8	79.2	79.3	79.4	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9
GE 6000	81.5	81.7	82.2	82.2	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 5000	84.5	84.8	85.4	85.5	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1
GE 4500	84.7	85.0	85.6	85.6	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	87.3	87.5	88.1	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8
GE 3500	87.9	88.2	88.9	89.0	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6
GE 3000	89.8	90.1	90.7	91.2	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8
GE 2500	90.6	90.9	91.8	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
GE 2000	90.9	91.2	92.2	92.7	92.9	92.9	93.2	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	90.9	91.2	92.2	92.7	92.9	92.9	93.2	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500	91.5	91.8	92.8	93.4	93.5	93.6	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.3	94.3
GE 1200	91.8	92.2	93.2	93.9	94.1	94.1	94.4	94.6	94.6	94.7	94.9	94.9	94.9	94.9	95.0	95.0
GE 1000	91.8	92.3	93.5	94.2	94.4	94.5	94.8	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.4	95.4
GE 900	91.8	92.3	93.5	94.3	94.5	94.6	94.9	95.1	95.2	95.3	95.5	95.5	95.6	95.8	95.9	96.1
GE 800	91.8	92.3	93.6	94.5	94.6	94.7	95.1	95.3	95.4	95.6	95.8	95.8	95.8	96.1	96.2	96.3
GE 700	91.8	92.4	93.8	94.7	95.0	95.1	95.6	95.9	96.0	96.2	96.3	96.3	96.4	96.7	96.8	97.0
GE 600	91.8	92.4	93.8	94.7	95.1	95.2	95.8	96.2	96.3	96.6	96.8	96.8	96.9	97.2	97.3	97.5
GE 500	91.8	92.4	93.8	94.7	95.2	95.3	96.0	96.3	96.4	96.8	96.9	96.9	97.3	97.5	97.6	97.9
GE 400	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.0	97.0	97.4	97.9	98.4	99.0
GE 300	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1	97.1	97.6	98.1	98.8	99.5
GE 200	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1	97.1	97.8	98.3	99.0	100.0
GE 100	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1	97.1	97.8	98.3	99.0	100.0
GE 000	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1	97.1	97.8	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1177

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GE 20000	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GE 18000	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GE 16000	65.7	66.0	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.1	67.1	67.1	67.1
GE 14000	66.7	66.9	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0
GE 12000	70.3	70.6	70.7	70.7	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6
GE 10000	74.1	74.3	74.5	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.4	75.4	75.4	75.4
GE 9000	75.9	76.2	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.3	77.3	77.3	77.3
GE 8000	80.1	80.4	80.5	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.5	81.5	81.5	81.5
GE 7000	82.0	82.3	82.4	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.3	83.3	83.3	83.3
GE 6000	84.9	85.2	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3
GE 5000	87.4	87.6	87.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7
GE 4500	87.4	87.6	87.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7
GE 4000	83.6	88.8	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9
GE 3500	89.4	89.7	89.8	89.9	90.6	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.3	91.3
GE 3000	90.1	90.5	91.0	91.3	91.9	91.9	92.3	92.3	92.3	92.3	92.5	92.5	92.6	92.6	92.7	92.7
GE 2500	91.0	91.4	92.1	92.5	93.4	93.5	94.1	94.1	94.1	94.1	94.2	94.2	94.4	94.4	94.5	94.5
GE 2000	91.7	92.1	92.7	93.1	94.1	94.2	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0	95.2	95.2
GE 1800	91.7	92.1	92.7	93.1	94.1	94.2	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0	95.2	95.2
GE 1500	91.7	92.1	92.7	93.1	94.2	94.4	94.9	94.9	94.9	94.9	95.0	95.0	95.2	95.2	95.3	95.3
GE 1200	91.7	92.1	92.7	93.1	94.2	94.4	94.9	94.9	94.9	94.9	95.0	95.0	95.2	95.2	95.3	95.3
GE 1000	91.7	92.1	92.7	93.1	94.4	94.5	95.0	95.0	95.0	95.0	95.2	95.2	95.3	95.4	95.6	95.6
GE 900	91.8	92.2	92.9	93.3	94.5	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.6	95.8	95.8
GE 800	91.8	92.5	93.3	94.0	95.2	95.3	95.8	95.8	95.8	95.8	96.0	96.0	96.1	96.4	96.6	96.6
GE 700	91.8	92.5	93.4	94.1	95.6	95.7	96.2	96.2	96.2	96.2	96.4	96.4	96.5	96.8	97.0	97.0
GE 600	91.8	92.5	93.4	94.1	95.8	96.0	96.8	96.8	96.8	97.0	97.2	97.2	97.3	97.6	98.0	98.0
GE 500	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	98.5
GE 400	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.2
GE 300	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.2
GE 200	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.9
GE 100	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	100.0
GE 000	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

D - 2 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.4	68.2	68.7	68.8	69.6	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 20000	67.4	68.2	68.7	68.8	69.6	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 18000	67.4	68.2	68.7	68.8	69.6	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 16000	67.9	68.7	69.1	69.3	70.0	70.2	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	68.4	69.1	69.6	69.7	70.5	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	71.1	71.9	72.4	72.5	73.3	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 10000	73.4	74.2	74.7	74.8	75.6	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 9000	73.9	74.7	75.1	75.3	76.0	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 8000	78.3	79.1	79.6	79.7	80.5	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	80.8	81.6	82.0	82.3	83.1	83.3	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 6000	82.8	83.6	84.0	84.3	85.1	85.3	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 5000	85.7	86.5	86.9	87.3	88.0	88.2	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	85.9	86.6	87.1	87.4	88.2	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	86.2	86.9	87.4	87.7	88.5	88.6	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3500	86.6	87.4	87.9	88.2	89.4	89.6	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	87.6	88.3	88.8	89.2	90.5	90.6	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2500	88.2	88.9	89.4	89.9	91.1	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	88.2	88.9	89.6	90.3	91.9	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8
GE 1800	88.2	88.9	89.6	90.3	91.9	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8
GE 1500	88.3	89.1	89.7	90.5	92.2	92.3	92.8	93.1	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.5
GE 1200	88.3	89.1	89.7	90.5	92.2	92.3	92.8	93.1	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.5
GE 1000	88.6	89.6	90.2	90.9	93.1	93.2	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.5	94.5	94.5
GE 900	88.9	89.9	90.5	91.2	93.5	93.7	94.2	94.5	94.5	94.5	94.8	94.8	94.8	94.9	94.9	94.9
GE 800	88.9	89.9	90.6	91.6	93.9	94.0	94.5	94.8	94.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2
GE 700	89.1	90.0	90.8	91.7	94.0	94.2	94.6	94.9	94.9	95.1	95.4	95.4	95.5	95.7	95.7	95.7
GE 600	89.2	90.2	90.9	91.9	94.5	94.6	95.1	95.4	95.4	95.7	96.0	96.0	96.2	96.5	96.8	96.8
GE 500	89.2	90.2	90.9	91.9	94.5	94.6	95.2	95.5	95.5	95.9	96.3	96.3	96.5	96.8	97.7	98.2
GE 400	89.2	90.2	90.9	91.9	94.5	94.9	95.5	96.0	96.0	96.5	96.9	96.9	97.1	97.4	98.3	98.9
GE 300	89.2	90.2	90.9	91.9	94.5	94.9	95.5	96.0	96.0	96.5	96.9	96.9	97.2	97.5	98.5	99.1
GE 200	89.2	90.2	90.9	91.9	94.5	94.9	95.5	96.0	96.0	96.5	96.9	96.9	97.2	97.5	98.5	99.5
GE 100	89.2	90.2	90.9	91.9	94.5	94.9	95.5	96.0	96.0	96.5	96.9	96.9	97.2	97.5	98.5	100.0
GE 000	89.2	90.2	90.9	91.9	94.5	94.9	95.5	96.0	96.0	96.5	96.9	96.9	97.2	97.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.6	59.9	60.4	60.6	60.8	60.9	61.0	61.0	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.4
GE 20000	61.0	61.2	61.7	61.9	62.2	62.2	62.4	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.8
GE 18000	61.2	61.4	62.0	62.1	62.4	62.4	62.6	62.6	62.6	62.7	62.8	62.8	62.9	62.9	62.9	63.0
GE 16000	61.5	61.7	62.3	62.4	62.7	62.7	62.9	62.9	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.3
GE 14000	62.9	63.2	63.7	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7
GE 12000	66.3	66.6	67.1	67.3	67.6	67.6	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.2
GE 10000	70.7	71.0	71.6	71.8	72.1	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.7
GE 9000	71.8	72.1	72.7	72.9	73.2	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.8	73.8
GE 8000	75.0	75.3	75.9	76.1	76.4	76.4	76.6	76.6	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.0
GE 7000	77.6	77.9	78.5	78.7	79.1	79.1	79.3	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.7
GE 6000	79.9	80.3	80.9	81.1	81.5	81.5	81.7	81.7	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.1
GE 5000	83.4	83.7	84.4	84.7	85.1	85.1	85.4	85.4	85.4	85.5	85.6	85.6	85.8	85.8	85.8	85.9
GE 4500	84.1	84.4	85.2	85.5	85.9	85.9	86.2	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.6	86.7
GE 4000	85.9	86.2	87.1	87.4	87.9	87.9	88.1	88.2	88.2	88.4	88.5	88.5	88.7	88.7	88.7	88.8
GE 3500	86.5	86.9	87.8	88.2	88.7	88.8	89.1	89.1	89.1	89.3	89.4	89.4	89.6	89.6	89.7	89.8
GE 3000	87.5	87.9	88.9	89.4	90.0	90.1	90.4	90.5	90.5	90.7	90.8	90.8	91.0	91.0	91.1	91.2
GE 2500	88.0	88.4	89.5	90.1	90.7	90.8	91.1	91.2	91.2	91.5	91.6	91.6	91.8	91.8	91.9	92.0
GE 2000	88.4	88.8	89.9	90.6	91.3	91.4	91.8	91.9	91.9	92.2	92.4	92.4	92.6	92.6	92.7	92.8
GE 1800	88.4	88.9	90.0	90.6	91.4	91.5	91.8	92.0	92.0	92.3	92.5	92.5	92.7	92.7	92.8	92.9
GE 1500	88.6	89.1	90.2	91.0	91.8	91.9	92.3	92.5	92.5	92.9	93.1	93.1	93.3	93.3	93.4	93.5
GE 1200	88.8	89.3	90.5	91.3	92.1	92.3	92.6	92.9	92.9	93.3	93.6	93.6	93.8	93.8	93.9	94.0
GE 1000	88.9	89.4	90.7	91.5	92.5	92.6	93.1	93.4	93.4	93.9	94.2	94.2	94.4	94.4	94.5	94.6
GE 900	89.0	89.5	90.8	91.6	92.7	92.8	93.3	93.7	93.8	94.2	94.5	94.5	94.7	94.8	95.0	95.1
GE 800	89.0	89.6	91.0	91.8	92.9	93.0	93.6	93.9	94.0	94.5	94.8	94.8	95.0	95.1	95.3	95.4
GE 700	89.0	89.7	91.1	92.0	93.1	93.3	93.9	94.3	94.4	94.9	95.3	95.3	95.6	95.7	95.9	96.1
GE 600	89.1	89.7	91.1	92.1	93.3	93.5	94.2	94.6	94.8	95.4	95.8	95.8	96.2	96.4	96.6	96.8
GE 500	89.1	89.7	91.2	92.2	93.5	93.7	94.4	94.8	95.0	95.7	96.2	96.2	96.7	96.9	97.4	97.8
GE 400	89.1	89.8	91.2	92.2	93.5	93.7	94.5	94.9	95.1	95.9	96.3	96.3	96.9	97.3	98.0	98.9
GE 300	89.1	89.8	91.2	92.2	93.5	93.7	94.5	95.0	95.1	95.9	96.4	96.4	97.1	97.4	98.3	99.3
GE 200	89.1	89.8	91.2	92.2	93.5	93.7	94.5	95.0	95.1	95.9	96.4	96.4	97.2	97.5	98.4	99.7
GE 100	89.1	89.8	91.2	92.2	93.6	93.8	94.5	95.0	95.2	96.0	96.4	96.4	97.2	97.5	98.4	100.0
GE 000	89.1	89.8	91.2	92.2	93.6	93.8	94.5	95.0	95.2	96.0	96.4	96.4	97.2	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 8284

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.4	71.4
GE 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.4	71.4
GE 18000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6	71.6
GE 16000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6	71.6
GE 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3
GE 12000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.1	75.1
GE 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0
GE 9000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	81.2	81.2
GE 8000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	84.3	84.3
GE 7000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.6	86.6
GE 6000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	89.3
GE 5000	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	93.1	93.1
GE 4500	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.9	93.9
GE 4000	93.4	93.4	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.8	94.8
GE 3500	94.2	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.6	95.6
GE 3000	95.1	95.1	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.6	96.6
GE 2500	95.8	95.8	95.9	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.3	97.3
GE 2000	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 1800	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 1500	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 1200	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 1000	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 900	96.1	96.3	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3
GE 800	96.1	96.3	96.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.6	98.6
GE 700	96.1	96.3	96.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.3
GE 600	96.1	96.3	96.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.5
GE 500	96.1	96.3	96.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.7
GE 400	96.1	96.3	96.6	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.2	99.8
GE 300	96.1	96.3	96.6	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.3	100.0
GE 200	96.1	96.3	96.6	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.3	100.0
GE 100	96.1	96.3	96.6	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.3	100.0
GE 000	96.1	96.3	96.6	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 591



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
GE 20000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
GE 18000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
GE 16000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
GE 14000	67.3	67.8	68.1	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	69.0	69.6	69.8
GE 12000	69.9	70.4	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.8	72.4	72.5
GE 10000	75.8	76.2	76.5	77.0	77.1	77.1	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.8	78.4	78.5
GE 9000	77.1	77.6	77.9	78.4	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	79.1	79.8	79.9
GE 8000	80.4	80.8	81.1	81.6	81.7	81.7	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.4	83.0	83.1
GE 7000	83.6	84.0	84.4	84.8	85.0	85.0	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.6	86.2	86.3
GE 6000	85.4	85.9	86.2	86.7	87.0	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.6	88.2	88.3
GE 5000	89.1	89.6	90.2	90.6	91.1	91.1	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.7	92.3	92.5
GE 4500	90.2	90.6	91.3	91.7	92.2	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.8	93.4	93.6
GE 4000	90.6	91.1	91.7	92.2	92.6	92.6	92.8	92.8	92.8	92.9	93.4	93.4	93.4	93.7	94.3	94.5
GE 3500	91.9	92.3	92.9	93.4	94.0	94.0	94.2	94.2	94.2	94.3	94.8	94.8	94.8	95.1	95.7	95.9
GE 3000	92.5	93.4	94.0	94.8	95.4	95.4	95.6	95.6	95.6	95.7	96.2	96.2	96.2	96.5	97.1	97.2
GE 2500	92.9	93.9	94.5	95.2	95.9	95.9	96.0	96.0	96.0	96.2	96.6	96.6	96.6	96.9	97.5	97.7
GE 2000	93.6	94.5	95.1	95.9	96.5	96.5	96.6	96.6	96.6	96.8	97.2	97.2	97.2	97.5	98.2	98.3
GE 1800	93.6	94.5	95.1	95.9	96.6	96.6	96.8	96.8	96.8	96.9	97.4	97.4	97.4	97.7	98.3	98.6
GE 1500	93.7	94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.1	97.5	97.5	97.5	97.9	98.5	98.8
GE 1200	93.7	94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.1	97.5	97.5	97.5	97.9	98.5	98.8
GE 1000	93.7	94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.2	97.7	97.7	97.7	98.0	98.6	98.9
GE 900	93.7	94.6	95.2	96.0	96.8	96.8	97.1	97.1	97.1	97.4	97.9	97.9	97.9	98.2	98.8	99.1
GE 800	93.7	94.6	95.2	96.0	96.8	96.8	97.1	97.1	97.1	97.4	97.9	97.9	97.9	98.2	98.8	99.1
GE 700	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE 600	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE 500	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE 400	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE 300	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE 200	93.7	94.6	95.4	96.3	97.7	97.7	98.0	98.0	98.0	98.3	98.8	98.8	98.8	99.1	99.7	100.0
GE 100	93.7	94.6	95.4	96.3	97.7	97.7	98.0	98.0	98.0	98.3	98.8	98.8	98.8	99.1	99.7	100.0
GE 000	93.7	94.6	95.4	96.3	97.7	97.7	98.0	98.0	98.0	98.3	98.8	98.8	98.8	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 652

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	55.9	56.5	56.8	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.6	57.6	58.1	58.3
GE 20000	57.8	58.4	58.8	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	60.0	60.2
GE 18000	58.0	58.6	58.9	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7	60.1	60.4
GE 16000	58.1	58.8	59.1	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8	60.3	60.5
GE 14000	59.1	59.7	60.0	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	61.3	61.5
GE 12000	62.5	63.2	63.6	63.7	64.2	64.2	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.8	65.1
GE 10000	68.0	68.9	69.3	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.7	70.9
GE 9000	70.2	71.1	71.5	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.5	72.5	72.5	72.5	73.0	73.2
GE 8000	73.4	74.2	74.7	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.6	75.6	75.6	75.6	76.1	76.3
GE 7000	76.3	77.2	77.6	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	79.1	79.3
GE 6000	79.3	80.1	80.6	80.7	81.3	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	82.1	82.3
GE 5000	83.7	84.6	85.2	85.3	85.9	86.0	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.8	87.1
GE 4500	84.7	85.6	86.1	86.4	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	88.0	88.2
GE 4000	86.5	87.4	88.1	88.3	89.0	89.0	89.1	89.1	89.1	89.1	89.5	89.5	89.5	89.5	90.0	90.3
GE 3500	87.4	88.4	89.0	89.3	90.0	90.1	90.2	90.2	90.2	90.2	90.6	90.6	90.6	90.6	91.1	91.3
GE 3000	89.0	90.2	90.9	91.2	92.4	92.5	92.6	92.6	92.6	92.6	93.0	93.0	93.0	93.0	93.5	93.8
GE 2500	89.3	90.4	91.3	91.6	92.8	92.8	93.1	93.1	93.1	93.2	93.5	93.5	93.5	93.5	94.1	94.3
GE 2000	89.8	91.0	92.2	92.6	93.9	94.0	94.4	94.4	94.4	94.6	95.0	95.0	95.0	95.0	95.5	95.7
GE 1800	89.8	91.0	92.2	92.7	94.0	94.1	94.6	94.6	94.7	94.8	95.2	95.2	95.2	95.2	95.7	96.0
GE 1500	90.1	91.3	92.5	93.0	94.4	94.6	95.1	95.1	95.2	95.4	95.7	95.7	95.7	95.7	96.3	96.5
GE 1200	90.2	91.4	92.5	93.1	94.7	94.9	95.4	95.4	95.5	95.7	96.0	96.0	96.0	96.0	96.6	96.8
GE 1000	90.6	91.8	92.9	93.6	95.3	95.5	96.3	96.4	96.5	96.7	97.1	97.1	97.1	97.1	97.6	97.9
GE 900	90.6	91.8	92.9	93.6	95.3	95.5	96.3	96.4	96.5	96.7	97.1	97.1	97.1	97.1	97.6	97.9
GE 800	90.6	91.9	93.2	93.8	95.3	95.7	96.6	96.7	96.8	97.0	97.4	97.4	97.4	97.4	97.9	98.2
GE 700	90.6	91.9	93.4	94.1	95.8	96.0	96.9	97.0	97.1	97.3	97.8	97.8	97.8	97.8	98.3	98.6
GE 600	90.6	91.9	93.4	94.1	95.8	96.0	96.9	97.0	97.1	97.3	97.9	97.9	97.9	97.9	98.5	98.8
GE 500	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.2	98.2	98.3	98.3	98.9	99.2
GE 400	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.2	98.2	98.3	98.3	98.9	99.2
GE 300	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.3	98.3	98.5	98.5	99.1	99.4
GE 200	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.3	98.3	98.5	98.5	99.4	99.7
GE 100	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.3	98.3	98.5	98.5	99.5	100.0
GE 000	90.6	91.9	93.4	94.1	96.1	96.3	97.2	97.3	97.4	97.6	98.3	98.3	98.5	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1314

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OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CE	54.1	54.2	54.5	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.4	55.5
GE 20000	56.8	57.0	57.3	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.2	58.3
GE 18000	56.8	57.0	57.3	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.2	58.3
GE 16000	57.1	57.3	57.6	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.5	58.6
GE 14000	58.2	58.3	58.6	58.8	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.6
GE 12000	61.8	61.9	62.2	62.5	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1	63.3
GE 10000	67.3	67.6	67.9	68.1	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	69.0
GE 9000	69.8	70.1	70.4	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.4	71.5
GE 8000	72.1	72.5	72.8	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.7	73.8	74.0
GE 7000	75.1	75.5	75.8	76.0	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.9	77.0
GE 6000	79.3	79.7	80.0	80.3	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.1	81.2	81.4
GE 5000	84.1	84.5	84.8	85.1	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9	86.0	86.1	86.3
GE 4500	84.8	85.2	85.7	85.9	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.8	86.9	87.1
GE 4000	87.0	87.4	87.8	88.1	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.3	89.4
GE 3500	87.7	88.2	88.6	89.1	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.2	90.3	90.5
GE 3000	89.4	89.9	90.4	90.8	91.8	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.4	92.6	92.8
GE 2500	89.8	90.2	90.8	91.3	92.3	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.1	93.3
GE 2000	90.1	90.5	91.4	91.9	93.2	93.3	93.5	93.7	93.7	93.7	93.8	93.8	93.9	93.9	94.2	94.3
GE 1800	90.2	90.6	91.4	92.0	93.3	93.3	93.6	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.2	94.4
GE 1500	90.3	90.8	91.6	92.4	93.9	93.9	94.3	94.7	94.7	94.8	94.8	94.8	94.9	95.0	95.2	95.3
GE 1200	90.6	91.2	92.1	92.8	94.3	94.4	94.8	95.1	95.1	95.2	95.3	95.3	95.3	95.4	95.6	95.8
GE 1000	91.1	91.8	92.7	93.6	95.3	95.6	95.9	96.5	96.5	96.7	96.7	96.7	96.8	96.9	97.1	97.3
GE 900	91.1	91.9	92.8	93.7	95.3	95.6	96.0	96.5	96.6	96.8	96.8	97.0	97.0	97.3	97.4	97.8
GE 800	91.2	91.9	93.0	93.9	95.6	95.9	96.2	96.7	96.8	97.0	97.2	97.2	97.5	97.6	97.9	98.0
GE 700	91.2	91.9	93.1	94.0	95.6	95.9	96.3	96.8	96.9	97.3	97.4	97.4	97.7	97.9	98.2	98.3
GE 600	91.2	91.9	93.1	94.0	95.8	96.1	96.5	97.0	97.1	97.5	97.6	97.6	98.2	98.4	98.6	98.7
GE 500	91.2	91.9	93.1	94.1	95.9	96.2	96.8	97.4	97.5	97.9	98.2	98.2	98.7	99.0	99.4	99.6
GE 400	91.2	91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.6	99.7
GE 300	91.2	91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.6	99.8
GE 200	91.2	91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	99.9
GE 100	91.2	91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	100.0
GE 000	91.2	91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1353

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.8	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 20000	61.2	61.6	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	61.3	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 16000	61.6	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	62.6	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	64.9	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 10000	68.1	68.4	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 9000	70.4	70.8	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 8000	73.4	73.8	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 7000	75.5	75.9	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	78.5	78.9	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 5000	83.2	83.8	84.2	84.4	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 4500	84.1	84.6	85.0	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 4000	86.1	86.8	87.4	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3500	87.4	88.0	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	89.4	90.1	90.8	91.2	91.5	91.5	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	90.7	91.3	92.3	92.7	93.3	93.3	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2000	91.4	92.1	93.1	93.7	94.3	94.4	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 1800	91.5	92.1	93.3	93.9	94.5	94.6	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	91.8	92.4	93.6	94.5	95.1	95.3	95.8	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2
GE 1200	92.1	92.7	93.9	94.9	95.6	95.7	96.3	96.5	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 1000	92.6	93.3	94.7	95.9	96.6	96.8	97.3	97.5	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 900	92.6	93.3	94.7	95.9	96.6	96.8	97.3	97.5	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 800	92.6	93.3	94.8	96.0	96.7	96.9	97.4	97.6	97.7	97.9	98.2	98.2	98.3	98.3	98.3	98.3
GE 700	92.6	93.3	94.8	96.0	96.7	96.9	97.4	97.6	97.7	97.9	98.2	98.2	98.3	98.3	98.4	98.4
GE 600	92.6	93.3	94.8	96.0	97.0	97.2	97.7	97.9	98.0	98.3	98.6	98.6	98.7	98.7	98.8	98.8
GE 500	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7
GE 400	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7
GE 300	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7
GE 200	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	99.9
GE 100	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	100.0
GE 000	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1337

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 20000	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 18000	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 16000	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	66.6	66.9	67.1	67.2	67.3	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 9000	69.1	69.4	69.6	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 8000	71.9	72.3	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	74.3	74.6	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	77.9	78.3	79.0	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 5000	82.2	82.5	83.3	83.6	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4500	83.3	83.7	84.5	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4000	87.3	87.8	88.6	88.8	88.9	88.9	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3500	89.4	90.1	90.9	91.4	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3000	91.4	92.1	93.0	93.5	93.6	93.6	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	92.4	93.1	94.1	94.6	94.8	94.8	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	93.9	94.6	95.6	96.2	96.5	96.5	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	94.0	94.7	95.7	96.3	96.6	96.6	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	94.2	95.1	96.1	96.7	97.1	97.1	97.2	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	94.2	95.1	96.1	96.7	97.1	97.1	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	94.5	95.4	96.5	97.1	97.5	97.5	97.6	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	94.5	95.4	96.5	97.1	97.5	97.5	97.6	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	94.5	95.4	96.5	97.1	97.5	97.5	97.7	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	94.5	95.4	96.5	97.1	97.5	97.5	97.8	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	94.5	95.4	96.5	97.1	97.5	97.5	97.8	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	94.9	95.7	96.8	97.7	98.0	98.0	98.3	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 400	95.0	95.8	96.9	97.8	98.1	98.1	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.7
GE 300	95.0	95.8	96.9	97.8	98.1	98.1	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.7
GE 200	95.0	95.8	96.9	97.8	98.1	98.1	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	100.0
GE 100	95.0	95.8	96.9	97.8	98.1	98.1	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	100.0
GE 000	95.0	95.8	96.9	97.8	98.1	98.1	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1076

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 20000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 18000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 16000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 14000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 12000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 9000	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 7000	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 6000	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 5000	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4500	89.2	89.2	89.5	89.5	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	91.9	91.9	92.2	92.2	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3500	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	95.4	95.6	95.9	95.9	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	96.6	96.9	97.2	97.2	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	97.6	97.9	98.4	98.4	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	97.6	97.9	98.4	98.4	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	97.6	97.9	98.4	98.4	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.6	97.9	98.4	98.4	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 900	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 800	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 700	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 600	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 500	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 400	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7
GE 300	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7
GE 200	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7
GE 100	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	100.0
GE 000	97.6	98.1	98.5	98.7	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 678

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 20000	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 18000	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 16000	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 14000	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 10000	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 9000	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 8000	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 7000	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 6000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 5000	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	94.2	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	95.9	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 700	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 600	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 500	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 400	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 300	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 200	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 100	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 000	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 591

D - 2 - 17

OPERATING LOCATION "4A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	60.5	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.2	61.3
GE 20000	61.9	62.2	62.4	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.8	63.0	63.1
GE 18000	62.0	62.3	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	63.1	63.1
GE 16000	62.1	62.4	62.6	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.2	63.3
GE 14000	63.1	63.4	63.6	63.7	63.8	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.2	64.3
GE 12000	65.9	66.2	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.1
GE 10000	70.2	70.6	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.6	71.7
GE 9000	72.6	72.9	73.2	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.9	74.0
GE 8000	75.4	75.8	76.1	76.2	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.9	76.9
GE 7000	77.9	78.3	78.6	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.5	79.5
GE 6000	81.2	81.6	81.9	82.1	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.8	82.9
GE 5000	85.5	85.9	86.3	86.5	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.3	87.4
GE 4500	86.5	86.9	87.4	87.6	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.4	88.5
GE 4000	88.6	89.1	89.6	89.8	90.2	90.2	90.3	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.7	90.8
GE 3500	89.8	90.3	90.9	91.2	91.6	91.6	91.7	91.7	91.7	91.8	91.9	91.9	91.9	92.0	92.2	92.3
GE 3000	91.4	92.0	92.6	93.0	93.5	93.6	93.7	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.2	94.3
GE 2500	92.2	92.8	93.5	93.9	94.5	94.5	94.6	94.7	94.7	94.8	94.9	94.9	94.9	95.0	95.2	95.3
GE 2000	92.9	93.5	94.3	94.8	95.5	95.6	95.8	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.4	96.5
GE 1800	92.9	93.6	94.4	94.9	95.6	95.7	95.9	96.0	96.0	96.1	96.3	96.3	96.3	96.3	96.5	96.6
GE 1500	93.1	93.8	94.6	95.2	96.0	96.1	96.4	96.6	96.6	96.7	96.8	96.8	96.9	96.9	97.1	97.2
GE 1200	93.2	93.9	94.8	95.4	96.2	96.3	96.6	96.8	96.8	97.0	97.1	97.1	97.1	97.2	97.4	97.5
GE 1000	93.5	94.3	95.2	95.9	96.8	96.9	97.2	97.5	97.6	97.7	97.9	97.9	97.9	97.9	98.2	98.3
GE 900	93.5	94.3	95.2	95.9	96.8	96.9	97.3	97.5	97.6	97.8	97.9	97.9	98.0	98.1	98.3	98.4
GE 800	93.6	94.3	95.3	96.0	96.9	97.0	97.4	97.7	97.7	97.9	98.1	98.1	98.2	98.2	98.5	98.6
GE 700	93.6	94.3	95.3	96.1	97.0	97.2	97.5	97.9	97.9	98.1	98.3	98.3	98.4	98.5	98.7	98.9
GE 600	93.6	94.3	95.3	96.1	97.1	97.3	97.7	97.9	98.0	98.2	98.4	98.4	98.6	98.6	98.9	99.1
GE 500	93.6	94.4	95.4	96.3	97.3	97.5	97.9	98.2	98.3	98.5	98.8	98.8	99.0	99.1	99.4	99.6
GE 400	93.7	94.4	95.4	96.3	97.4	97.5	98.0	98.3	98.4	98.6	98.8	98.8	99.0	99.1	99.4	99.7
GE 300	93.7	94.4	95.4	96.3	97.4	97.5	98.0	98.3	98.4	98.6	98.9	98.9	99.1	99.2	99.5	99.7
GE 200	93.7	94.4	95.4	96.3	97.4	97.5	98.0	98.3	98.4	98.6	98.9	98.9	99.1	99.2	99.6	99.9
GE 100	93.7	94.4	95.4	96.3	97.4	97.5	98.0	98.3	98.4	98.6	98.9	98.9	99.1	99.2	99.6	100.0
GE 000	93.7	94.4	95.4	96.3	97.4	97.5	98.0	98.3	98.4	98.6	98.9	98.9	99.1	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7592



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 20000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 18000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 16000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 14000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 12000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 10000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 9000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 8000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 7000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 6000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 5000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4500	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2000	97.5	97.6	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	97.5	97.6	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	97.8	98.0	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	97.8	98.0	98.1	98.3	98.3	98.5	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5	99.5
GE 800	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5	99.5
GE 700	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5	99.5
GE 600	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 500	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 400	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 300	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 200	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 100	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0
GE 000	98.0	98.1	98.3	98.5	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 20000	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9
GE 18000	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9
GE 16000	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9
GE 14000	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2
GE 12000	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.7
GE 10000	84.4	84.6	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
GE 9000	85.3	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
GE 8000	87.6	87.7	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2
GE 7000	88.2	88.5	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9	89.2	89.2
GE 6000	89.2	89.5	89.5	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.2	90.2
GE 5000	91.9	92.2	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8	93.1	93.1
GE 4500	92.5	92.8	93.1	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.8	93.8
GE 4000	92.9	93.2	93.5	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.5	94.5
GE 3500	94.2	94.5	94.9	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	96.0	96.0
GE 3000	95.4	95.7	96.1	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	97.1	97.1
GE 2500	96.0	96.2	96.7	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.8	97.8
GE 2000	96.0	96.2	96.7	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.8	97.8
GE 1800	96.0	96.2	96.7	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.8	97.8
GE 1500	96.1	96.4	97.1	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1	98.4	98.4
GE 1200	96.1	96.4	97.1	97.3	97.5	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.7	99.0	99.0
GE 1000	96.1	96.4	97.1	97.3	97.5	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.7	99.0	99.0
GE 900	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.6	99.9	99.9
GE 800	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.6	99.9	99.9
GE 700	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.6	99.9	99.9
GE 600	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 500	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 400	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 300	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 200	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 100	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0
GE 000	96.4	96.7	97.5	97.7	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 693

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.4	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.9
GE 20000	65.5	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.0
GE 18000	65.9	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.4
GE 16000	66.0	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.5
GE 14000	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.2
GE 12000	71.1	71.1	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.6
GE 10000	77.0	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.7
GE 9000	79.2	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8
GE 8000	82.2	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.8
GE 7000	84.4	84.5	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 6000	87.2	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9
GE 5000	89.3	89.4	89.5	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3
GE 4500	89.7	89.9	90.0	90.0	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.8
GE 4000	91.5	91.7	91.9	91.9	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.9
GE 3500	92.2	92.4	92.6	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6
GE 3000	93.2	93.4	93.6	93.8	94.4	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.9	94.9	94.9	94.9
GE 2500	94.0	94.2	94.7	94.9	95.5	95.6	95.7	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.2
GE 2000	94.4	94.7	95.1	95.3	96.0	96.1	96.2	96.2	96.2	96.4	96.4	96.4	96.6	96.6	96.7	96.8
GE 1800	94.4	94.7	95.1	95.3	96.0	96.1	96.2	96.2	96.2	96.4	96.4	96.4	96.6	96.6	96.7	96.8
GE 1500	94.7	94.9	95.5	95.9	96.6	96.7	96.8	96.8	96.8	97.1	97.1	97.1	97.3	97.3	97.5	97.5
GE 1200	94.7	94.9	95.5	96.0	96.7	96.8	97.0	97.0	97.0	97.5	97.5	97.5	97.7	97.7	97.9	97.9
GE 1000	94.8	95.0	95.7	96.2	97.1	97.1	97.3	97.3	97.3	97.9	97.9	97.9	98.4	98.4	98.6	98.6
GE 900	94.9	95.1	95.9	96.4	97.3	97.3	97.5	97.5	97.5	98.1	98.1	98.1	98.7	98.7	98.8	98.9
GE 800	94.9	95.1	96.0	96.4	97.4	97.5	97.7	97.7	97.7	98.3	98.3	98.3	98.8	98.8	99.0	99.0
GE 700	94.9	95.1	96.0	96.4	97.4	97.5	97.7	97.7	97.7	98.3	98.3	98.3	98.8	98.8	99.1	99.2
GE 600	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.4	98.4	98.4	99.0	99.0	99.2	99.3
GE 500	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.4	98.4	98.5	99.1	99.1	99.5	99.7
GE 400	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.4	98.4	98.5	99.1	99.1	99.5	99.7
GE 300	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.4	98.4	98.5	99.1	99.1	99.5	99.7
GE 200	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.6	98.6	98.6	99.2	99.2	99.7	99.8
GE 100	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.6	98.6	98.6	99.2	99.2	99.7	100.0
GE 000	94.9	95.1	96.0	96.5	97.5	97.5	97.7	97.8	97.8	98.6	98.6	98.6	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1459

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
GE 20000	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 18000	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
GE 16000	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 12000	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4
GE 10000	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
GE 9000	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
GE 8000	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
GE 7000	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
GE 6000	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
GE 5000	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.7
GE 4500	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.4
GE 4000	90.7	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
GE 3500	92.4	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
GE 3000	93.8	93.8	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
GE 2500	94.7	94.7	95.0	95.3	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7
GE 2000	95.2	95.3	95.7	96.0	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5
GE 1800	95.2	95.3	95.7	96.0	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.6
GE 1500	95.7	95.8	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.6	97.7
GE 1200	95.7	95.8	96.6	97.0	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.8	97.9
GE 1000	96.1	96.2	97.1	97.4	97.7	97.7	98.0	98.0	98.1	98.2	98.2	98.2	98.4	98.6	98.8	98.9
GE 900	96.2	96.3	97.2	97.6	97.8	97.8	98.2	98.2	98.3	98.4	98.4	98.4	98.6	98.8	99.0	99.1
GE 800	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.9	99.1	99.3	99.4
GE 700	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.0	99.2	99.4	99.6
GE 600	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.5	99.7
GE 500	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.5	99.7
GE 400	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.6	99.8
GE 300	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.6	99.9
GE 200	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.6	99.9
GE 100	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.6	100.0
GE 000	96.2	96.3	97.2	97.6	98.1	98.1	98.4	98.5	98.6	98.8	98.8	98.8	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1516

0 - 2 - 22

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LRT TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 20000	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 18000	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 16000	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 14000	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 10000	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 9000	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 8000	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 7000	77.8	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	81.1	81.3	81.5	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 5000	86.0	86.2	86.5	86.5	86.6	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500	87.1	87.3	87.6	87.6	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4000	89.7	89.9	90.3	90.3	90.4	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	91.2	91.4	91.8	91.8	91.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3000	93.4	93.5	94.2	94.3	94.5	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE 2500	94.9	95.1	95.8	95.9	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 2000	95.8	96.0	96.8	96.9	97.1	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 1800	95.8	96.0	96.8	96.9	97.1	97.1	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	96.2	96.3	97.3	97.3	97.5	97.6	98.0	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 1200	96.3	96.4	97.5	97.5	97.7	97.8	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 1000	96.6	96.7	97.7	97.8	98.0	98.1	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GE 900	96.6	96.7	97.7	97.8	98.0	98.1	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GE 800	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6
GE 700	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.7
GE 600	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	99.9
GE 500	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	99.9
GE 400	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE 300	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE 200	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE 100	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE 000	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1462

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 20000	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 14000	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 10000	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 9000	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 8000	74.1	74.1	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 7000	76.3	76.3	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 6000	80.9	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 5000	86.7	86.8	87.1	87.5	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4500	87.6	87.7	88.1	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	90.4	90.5	90.9	91.2	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	91.7	91.9	92.2	92.5	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	93.3	93.4	93.8	94.2	94.4	94.4	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	94.6	94.8	95.3	95.7	96.0	96.0	96.3	96.4	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7
GE 2000	95.1	95.3	95.8	96.2	96.5	96.7	96.9	97.2	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5
GE 1800	95.1	95.3	95.8	96.2	96.5	96.7	97.0	97.3	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6
GE 1500	95.4	95.7	96.2	96.6	96.9	97.1	97.5	97.8	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1
GE 1200	95.6	95.9	96.4	96.8	97.1	97.3	97.7	97.9	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3
GE 1000	96.0	96.3	97.0	97.5	97.9	98.1	98.5	98.8	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3
GE 900	96.0	96.3	97.0	97.5	97.9	98.1	98.5	98.8	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3
GE 800	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.0	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5
GE 700	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.0	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5
GE 600	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.0	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7
GE 500	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8
GE 400	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8
GE 300	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8
GE 200	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	100.0	100.0
GE 100	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	100.0	100.0
GE 000	96.0	96.3	97.0	97.5	97.9	98.1	98.5	99.1	99.2	99.5	99.6	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1206

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.9	64.9	65.2	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 20000	64.9	64.9	65.2	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	65.2	65.2	65.5	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	66.1	66.1	66.4	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	67.5	67.5	67.7	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 12000	71.2	71.2	71.5	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	73.4	73.4	73.7	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000	75.1	75.1	75.4	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	77.8	78.0	78.2	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 7000	79.6	79.7	80.0	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 6000	84.3	84.5	84.8	85.5	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 5000	90.9	91.1	91.5	92.2	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	91.5	91.8	92.2	92.9	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	93.1	93.7	94.1	94.8	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3500	95.8	96.4	96.8	95.4	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	94.6	95.2	95.6	96.2	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	95.0	95.6	96.0	96.6	97.0	97.2	97.6	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	95.2	95.7	96.4	97.0	97.4	97.6	98.0	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	95.2	95.7	96.4	97.0	97.4	97.6	98.0	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	95.2	95.7	96.4	97.0	97.4	97.6	98.1	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	95.3	95.8	96.5	97.2	97.6	97.8	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	95.3	95.8	96.5	97.2	97.6	97.8	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	95.3	95.8	96.5	97.2	97.6	97.8	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	95.3	95.8	96.5	97.2	97.6	97.8	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	95.3	95.8	96.5	97.3	97.8	98.1	98.7	98.7	98.7	98.9	99.2	99.2	99.2	99.2	99.3	99.3
GE 600	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	98.8	99.1	99.5	99.5	99.5	99.7	99.7
GE 500	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.5	99.5	99.7	99.7
GE 400	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.6	99.6	99.9	99.9
GE 300	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.7	99.7	100.0	100.0
GE 200	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.7	99.7	100.0	100.0
GE 100	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.7	99.7	100.0	100.0
GE 000	95.3	95.8	96.5	97.3	98.0	98.3	98.8	98.8	98.8	99.1	99.5	99.5	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 20000	76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 18000	76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 16000	77.5	77.5	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 14000	79.0	79.0	79.0	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 12000	80.5	80.5	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 10000	81.9	81.9	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 9000	81.9	81.9	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 8000	83.6	83.6	83.6	83.6	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	84.4	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	87.5	87.5	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 5000	91.7	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4500	91.7	91.9	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	92.5	92.9	93.1	93.1	93.4	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3500	93.7	94.4	94.9	94.9	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	94.1	94.7	95.4	95.4	95.8	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	94.9	95.6	96.3	96.4	96.8	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	95.6	96.3	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	95.6	96.3	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	95.6	96.3	97.1	97.3	97.6	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	95.6	96.3	97.1	97.5	98.1	98.3	98.5	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 600	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 500	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 400	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 590



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: UGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE J
NO CEIL	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
GE 20000	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
GE 18000	67.7	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
GE 16000	68.0	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 12000	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	76.9	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
GE 9000	78.2	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
GE 8000	80.3	80.4	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
GE 7000	81.9	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
GE 6000	84.9	84.9	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
GE 5000	88.8	88.9	89.1	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 4500	89.5	89.6	89.9	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
GE 4000	91.3	91.5	91.8	91.9	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
GE 3500	92.6	92.8	93.1	93.2	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8
GE 3000	93.9	94.1	94.5	94.7	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 2500	94.9	95.2	95.6	95.8	96.2	96.2	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7
GE 2000	95.4	95.6	96.2	96.4	96.7	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.4
GE 1800	95.4	95.6	96.2	96.4	96.7	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.5
GE 1500	95.7	95.9	96.6	96.9	97.2	97.3	97.6	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.1	98.1
GE 1200	95.8	96.0	96.7	97.0	97.4	97.5	97.8	98.0	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.5
GE 1000	96.0	96.2	97.0	97.3	97.8	97.9	98.2	98.3	98.4	98.7	98.7	98.7	98.9	98.9	99.0	99.0
GE 900	96.0	96.3	97.1	97.4	97.9	98.0	98.3	98.5	98.5	98.8	98.8	98.8	99.1	99.1	99.2	99.2
GE 800	96.1	96.3	97.1	97.5	98.0	98.1	98.5	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.4	99.4
GE 700	96.1	96.3	97.1	97.5	98.0	98.1	98.5	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.6
GE 600	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.0	99.1	99.2	99.5	99.5	99.7	99.7
GE 500	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.1	99.2	99.5	99.6	99.8	99.8
GE 400	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.1	99.2	99.5	99.6	99.8	99.9
GE 300	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.1	99.2	99.5	99.6	99.8	99.9
GE 200	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.2	99.2	99.6	99.6	99.9	99.9
GE 100	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.2	99.2	99.6	99.6	99.9	100.0
GE 000	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.2	99.2	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 8261

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 20000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 18000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 16000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 14000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 12000	78.3	78.3	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 10000	78.9	78.9	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 9000	79.6	79.6	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	81.9	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 7000	84.3	84.6	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 6000	85.9	86.3	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 5000	88.3	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4500	89.6	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 4000	91.7	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	93.0	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	95.6	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	95.9	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	96.1	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	96.1	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	96.7	97.2	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 200	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 000	97.4	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 540

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 18000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 16000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 14000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 12000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 10000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 9000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 8000	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 6000	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 5000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	96.5	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	97.4	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	97.7	98.1	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	97.8	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	98.1	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	98.4	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.5	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 18000	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 16000	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 12000	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 10000	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 9000	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 8000	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 5000	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	91.6	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 3500	92.7	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	94.5	94.6	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	95.3	95.4	95.8	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	96.1	96.2	97.0	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	96.1	96.2	97.0	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	96.3	96.4	97.2	97.6	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	96.4	96.6	97.4	97.8	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	96.7	96.8	97.8	98.2	98.5	98.5	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4
GE 700	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
GE 200	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
GE 100	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
GE 000	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1434

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.1	65.2	65.2	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	69.5	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 18000	70.1	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 16000	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 12000	76.1	76.2	76.2	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 10000	79.7	79.7	79.8	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 9000	80.8	80.9	81.0	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 8000	82.0	82.1	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	84.3	84.4	84.5	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	86.6	86.7	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 5000	89.5	89.6	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4500	90.3	90.4	90.5	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	91.7	91.8	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	92.8	93.0	93.2	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	94.1	94.2	94.4	94.8	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	94.7	95.0	95.3	95.7	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	95.8	96.2	96.5	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	95.8	96.2	96.5	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	95.9	96.2	96.6	97.4	97.8	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	95.9	96.3	96.7	97.6	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	96.4	96.8	97.2	98.0	98.4	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.5	96.9	97.3	98.2	98.5	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	96.6	97.0	97.4	98.4	98.8	98.9	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1481

D - 2 - 31

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.6	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 20000	64.7	64.8	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 18000	65.4	65.4	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	65.7	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 14000	67.2	67.2	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 12000	70.4	70.4	70.6	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	73.6	73.7	73.8	73.9	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 9000	74.3	74.4	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 8000	76.3	76.3	76.5	76.5	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 7000	78.0	78.1	78.2	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 6000	81.3	81.3	81.5	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 5000	86.4	86.5	86.7	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4500	88.6	88.7	88.9	89.0	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4000	90.6	90.7	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 3500	92.2	92.3	92.5	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	93.6	93.8	94.0	94.4	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	94.9	95.2	95.6	95.9	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	95.2	95.5	95.8	96.3	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	95.3	95.6	95.9	96.4	96.9	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	95.8	96.0	96.5	97.1	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	95.8	96.1	96.6	97.4	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	96.2	96.6	97.2	97.9	98.8	98.8	98.9	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 900	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 800	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6
GE 700	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.4	99.4	99.8	99.8	99.8	99.8
GE 600	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.4	99.4	99.8	99.8	99.8	99.8
GE 500	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0
GE 400	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0
GE 300	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0
GE 200	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0
GE 100	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0
GE 000	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1441

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 20000	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	63.1	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 10000	69.6	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 9000	70.1	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 8000	72.2	72.5	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	73.9	74.2	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	77.5	77.9	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	83.8	84.3	84.5	84.7	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	86.2	86.6	86.9	87.1	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4000	90.0	90.4	90.7	90.9	91.3	91.4	91.5	91.5	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8
GE 3500	92.1	92.5	92.8	93.0	93.4	93.4	93.7	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
GE 3000	93.2	93.6	93.9	94.1	94.4	94.5	94.8	94.8	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1
GE 2500	94.2	94.6	94.9	95.1	95.5	95.5	95.8	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1
GE 2000	94.7	95.2	95.6	95.8	96.3	96.4	96.7	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.1	97.1
GE 1800	94.8	95.3	95.7	95.9	96.4	96.5	96.8	96.8	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.2
GE 1500	95.3	95.7	96.3	96.5	96.9	97.1	97.5	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8
GE 1200	96.0	96.5	97.0	97.3	97.8	98.0	98.4	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8
GE 1000	96.1	96.8	97.5	97.8	98.4	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5
GE 900	96.1	96.8	97.5	97.8	98.4	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5
GE 800	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE 700	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE 600	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE 500	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE 400	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE 300	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE 200	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE 100	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.4	99.6	99.6	99.8	99.8	100.0	100.0
GE 000	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.4	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1099

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 20000	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	59.3	59.3	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	60.8	60.8	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	65.0	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 10000	68.9	68.9	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 9000	70.0	70.0	70.4	70.6	70.6	70.6	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 8000	71.9	71.9	72.4	72.6	72.6	72.6	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	74.3	74.3	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 6000	78.6	78.6	79.0	79.3	79.4	79.4	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 5000	85.6	85.6	86.0	86.3	86.4	86.4	86.7	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4500	87.1	87.1	87.6	87.9	88.1	88.1	88.5	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4000	90.7	90.7	91.3	91.5	91.7	91.7	92.1	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	92.1	92.1	92.8	93.1	93.2	93.2	93.6	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	93.3	93.3	94.0	94.4	94.7	94.7	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2500	94.2	94.2	94.9	95.3	95.6	95.6	96.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	95.6	95.6	96.3	96.7	97.2	97.2	97.6	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	95.6	95.6	96.3	96.7	97.2	97.5	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	96.0	96.0	96.7	97.1	97.6	97.9	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	96.0	96.0	96.7	97.1	97.6	97.9	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 20000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 14000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 7000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 4500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3000	95.9	95.9	96.1	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	96.3	96.7	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	96.7	97.0	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	96.7	97.0	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	96.9	97.2	97.4	97.8	98.0	98.0	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	97.2	97.8	98.0	98.3	98.7	98.7	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 540

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 20000	66.3	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 18000	66.7	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 16000	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 12000	72.1	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	75.4	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 9000	76.5	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 8000	78.5	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 7000	80.5	80.6	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 6000	83.5	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 5000	87.6	87.7	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4500	89.1	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	91.4	91.6	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3500	92.8	93.0	93.3	93.4	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3000	94.3	94.5	94.8	95.1	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 2500	95.2	95.5	95.8	96.1	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	95.8	96.1	96.6	97.0	97.2	97.3	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	95.9	96.2	96.6	97.0	97.3	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	96.2	96.5	97.0	97.4	97.8	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	96.4	96.7	97.3	97.8	98.2	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	96.6	97.1	97.7	98.2	98.6	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 900	96.7	97.2	97.8	98.3	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE 800	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 700	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 600	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
GE 400	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
GE 300	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7999

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 20000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 16000	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 12000	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 10000	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2
GE 9000	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 8000	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 7000	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
GE 6000	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5
GE 5000	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
GE 4500	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE 4000	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 3500	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 3000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 2500	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 2000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1500	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1200	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 900	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 700	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 500	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 400	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

D - 2 - 37

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 20000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 18000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 16000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 14000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 12000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 10000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 8000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 7000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 5000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 5000	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 600	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 500	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

D - 2 - 33

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 20000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 18000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 14000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 12000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 10000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 9000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 8000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 7000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 6000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 5000	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 4500	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	96.0	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	97.6	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	98.0	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	98.6	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
GE 1800	98.6	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5
GE 1500	98.7	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 1200	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
GE 1000	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
GE 900	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 800	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 700	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 600	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 500	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 400	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 300	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 200	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 100	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0
GE 000	98.7	98.7	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1527

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 20000	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 18000	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 16000	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 14000	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 10000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 9000	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 8000	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 7000	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 6000	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 5000	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4500	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	97.8	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	98.2	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.4	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	98.4	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	98.4	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	98.4	98.9	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1522

D - 2 - 40

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 12 14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 20000	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 18000	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 16000	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 14000	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 10000	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 9000	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 8000	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 5000	91.4	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4000	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3500	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3000	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.0	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1460

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.3	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 20000	71.0	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 18000	71.3	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	72.0	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 14000	72.7	72.8	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 12000	74.8	74.9	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 10000	77.3	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 9000	78.5	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 8000	79.5	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	81.4	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	86.6	86.8	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 5000	91.6	91.8	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4500	93.1	93.3	93.6	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 4000	94.8	95.0	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	95.6	95.8	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	96.9	97.1	97.5	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	97.5	97.7	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	98.3	98.5	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.3	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1101



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.0	65.0	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 20000	65.0	65.0	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	65.1	65.1	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 16000	65.4	65.4	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	66.8	66.8	66.8	67.0	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	69.1	69.1	69.1	69.3	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 10000	73.5	73.5	73.5	73.7	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 9000	74.2	74.2	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	76.0	76.0	76.0	76.2	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	79.0	79.0	79.0	79.2	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 6000	85.5	85.5	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	91.0	91.0	91.0	91.5	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 4500	92.4	92.4	92.4	92.8	93.1	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	94.7	94.7	94.7	95.2	95.5	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	95.3	95.3	95.3	95.8	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000	97.0	97.0	97.0	97.5	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	98.2	98.2	98.3	98.8	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	98.3	98.3	98.4	98.9	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.3	98.3	98.4	98.9	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.3	98.3	98.4	99.0	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.3	98.3	98.4	99.0	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.3	98.3	98.4	99.0	99.4	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.3	98.3	98.4	99.0	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

OPERATING LOCATION "A"  
USAFETAC, ASBVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.4	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	73.4	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	73.7	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	73.7	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	74.5	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 12000	77.0	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 10000	81.6	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 9000	82.5	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1
GE 8000	83.1	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
GE 7000	84.8	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4
GE 6000	88.3	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE 5000	93.1	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0
GE 4500	93.7	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 4000	95.5	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5
GE 3500	95.7	95.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE 3000	98.3	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 2500	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 2000	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 1800	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 1500	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 1200	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 1000	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 900	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 800	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 700	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 600	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 500	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 18000	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 16000	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 14000	76.1	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	78.3	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 10000	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 9000	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 8000	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 7000	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 6000	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 5000	92.9	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 4500	94.0	94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	95.3	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	97.5	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	98.2	98.3	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	98.7	98.8	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.7	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.7	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1200	98.8	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.8	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 8622

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 20000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 18000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 16000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 14000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 12000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 10000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 9000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 7000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 6000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 20000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 18000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 14000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 12000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 10000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 4000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 5000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 853

D - 2 - 47

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 18000	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 16000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 14000	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 12000	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 10000	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 9000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 8000	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 7000	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 6000	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4000	97.3	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1499

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 20000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 18000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 16000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 14000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 9000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 6000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 5000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1501

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 20000	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 16000	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 14000	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 12000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 10000	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 9000	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 7000	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 5000	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4500	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1431



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 20000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 18000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 16000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 14000	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 10000	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 9000	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 8000	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 7000	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	90.5	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 5000	95.5	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4500	96.2	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	97.0	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	97.6	97.8	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.2	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.5	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	98.7	99.0	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.7	99.0	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.7	99.0	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.7	99.0	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1067

D - 2 - 51

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 20000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 18000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 16000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 12000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 10000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 9000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 8000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 7000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 6000	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 5000	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4500	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 20000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 18000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 16000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 14000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 10000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 9000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 8000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 6000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 20000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 18000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 16000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 12000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 10000	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 9000	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 8000	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 7000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 5000	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4500	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4000	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 8421

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 20000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 18000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 16000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 10000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9
GE 9000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 8000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 7000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 6000	99.4	99.4	99.4	99.4	99.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 20000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 18000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 16000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 14000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 12000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 9000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 8000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 20000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 18000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 16000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 14000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 10000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 9000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 8000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 7000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1465

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 20000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 16000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 14000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 12000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 10000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 9000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 8000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1485



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 18000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 16000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 14000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 12000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 10000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 9000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 7000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 5000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1409

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 20000	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 18000	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 16000	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 14000	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 12000	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 10000	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 9000	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 8000	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 6000	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4000	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1073

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 20000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 18000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 16000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 14000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 12000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 10000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 7000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 6000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 12000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 10000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 9000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 7000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 6000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

0 - 2 - 62

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 20000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 18000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 16000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 14000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 10000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 7000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 8421

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 20000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 18000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 16000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 14000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 12000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 10000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 9000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 8000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 7000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 18000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 16000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 14000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 12000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 10000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 9000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 8000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 18000	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 16000	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 14000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 10000	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 9000	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 6000	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1475



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 20000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 16000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 14000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 12000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 9000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 8000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 20000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 18000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 16000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 14000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 12000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 9000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 8000	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 6000	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 5000	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1426

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 18000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 16000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 14000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 12000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 10000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 9000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 8000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 7000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 6000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4500	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1074

D - 2 - 69

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 20000	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 18000	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 16000	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 14000	72.2	72.2	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 12000	75.9	75.9	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 10000	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	80.5	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 8000	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 7000	89.0	89.0	89.1	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 6000	96.7	96.7	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 5000	98.5	98.5	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	98.5	98.5	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	98.9	98.9	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	98.9	98.9	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	98.9	98.9	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.3	99.3	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.3	99.3	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.3	99.3	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.3	99.3	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.3	99.3	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

D - 2 - 70

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECD: MAY 60 - APR 90  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 20000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 18000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 16000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 14000	79.6	79.6	79.6	79.6	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 12000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 10000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 9000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 8000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 7000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

D - 2 - 71

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 20000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 14000	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 12000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 10000	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 9000	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 7000	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 6000	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 5000	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 8428

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 20000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 18000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 16000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 12000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 10000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 9000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 8000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 5000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 03-05

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 20000		86.4	86.4	86.4	86.4	86.4	86.4	86.4	85.4	86.4	86.4	86.4	86.4	86.4	85.4	86.4	86.4
GE 18000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 16000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 14000		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 12000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 10000		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 9000		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 8000		95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6000		97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000		98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4500		99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000		99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500		99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000		99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500		99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000		99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800		99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 20000	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 18000	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 16000	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 14000	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 10000	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 9000	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 8000	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 7000	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1337

D - 2 - 75

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 20000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 16000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 10000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 9000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 8000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 7000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1391

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 20000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 18000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 16000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 14000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 10000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 9000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 7000	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 6000	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 5000	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3500	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1329

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 20000	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 18000	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 16000	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 12000	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 10000	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 9000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 8000	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 7000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 6000	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 5000	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1012

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 20000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 18000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 12000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 8000	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 7000	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 6000	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 780

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 20000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 16000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 14000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 10000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 7000	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 20000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 18000	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 16000	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 14000	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 12000	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 8000	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 7000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 6000	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 5000	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7973

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 20000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 18000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 16000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 14000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 12000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 10000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 8000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 7000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 6000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4500	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 20000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 12000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 10000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 9000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 8000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 6000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 4000	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	98.5	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	99.1	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.1	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.3	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 823

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3
GE 20000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
GE 18000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
GE 16000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1
GE 14000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4
GE 12000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
GE 10000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6
GE 9000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7
GE 8000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
GE 7000	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
GE 6000	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
GE 5000	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
GE 4500	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0
GE 4000	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 3500	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
GE 3000	98.3	98.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 2500	98.3	98.4	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 2000	98.6	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 1800	98.6	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 1500	98.6	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1200	98.7	98.8	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 1000	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 900	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 800	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 700	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 600	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 500	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 400	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 300	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 200	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9
GE 100	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9
GE 000	98.7	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1449

0 - 2 - 84

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
GE 18000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0
GE 16000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
GE 14000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 12000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
GE 10000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
GE 9000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
GE 8000	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 7000	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
GE 6000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0
GE 5000	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 4500	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4
GE 4000	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 3500	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3
GE 3000	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6
GE 2500	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
GE 1800	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
GE 1500	98.4	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.7	98.7	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5
GE 1000	98.7	98.7	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
GE 900	98.7	98.7	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
GE 800	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1448

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 20000	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 18000	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 16000	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 14000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 12000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 10000	87.7	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 9000	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 8000	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
GE 7000	90.5	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
GE 6000	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 5000	94.2	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 4500	94.7	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	95.9	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5
GE 3500	96.3	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1
GE 3000	97.0	97.1	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8
GE 2500	97.8	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7
GE 2000	98.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1
GE 1800	98.1	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.1	99.1	99.1	99.1
GE 1500	98.3	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.3	99.3	99.3	99.3
GE 1200	98.4	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 1000	98.5	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7
GE 900	98.6	98.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8
GE 800	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 700	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 600	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 500	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 400	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 300	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 200	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 100	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 000	98.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1390

D - 2 - 86

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 20000	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 12000	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 10000	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 9000	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 8000	90.2	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	91.6	91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 6000	94.0	94.0	94.2	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 5000	94.6	94.6	94.8	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 4500	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 4000	95.7	95.7	95.9	96.1	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
GE 3500	96.1	96.1	96.3	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	96.7	96.7	96.9	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 2500	97.8	97.8	98.0	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 2000	97.9	97.9	98.3	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 1800	98.1	98.1	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1500	98.2	98.4	98.9	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1200	98.4	98.6	99.1	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1000	98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 900	98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1075

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 20000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 18000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 16000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 14000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 12000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 9000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 8000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 7000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4500	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 813

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 20000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 18000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 16000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 14000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 9000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 8000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 7000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 6000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 5000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 4500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
GE 20000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6
GE 18000	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 14000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 12000	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 10000	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 9000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
GE 8000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8
GE 7000	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
GE 6000	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
GE 4500	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9
GE 4000	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
GE 3500	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
GE 3000	97.9	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5
GE 2500	98.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 2000	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	98.8	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1500	98.8	98.9	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1200	99.0	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1000	99.0	99.0	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	99.0	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 800	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 8300

0 2 90



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 20000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 18000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 16000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 12000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 10000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 9000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 8000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 7000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 6000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	95.6	95.6	95.6	95.6	95.7	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	96.0	96.0	96.0	96.0	96.2	96.2	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	97.0	97.0	97.3	97.5	97.8	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	97.0	97.0	97.3	97.5	97.8	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	97.3	97.3	97.6	97.8	98.1	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	97.3	97.3	97.6	97.8	98.1	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	97.5	97.5	97.8	97.9	98.3	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	97.5	97.5	97.8	97.9	98.3	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	97.5	97.5	97.8	97.9	98.3	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.7	99.7	99.7
GE 400	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.5	99.5	99.5	100.0	100.0	100.0
GE 300	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.5	99.5	99.5	100.0	100.0	100.0
GE 200	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.5	99.5	99.5	100.0	100.0	100.0
GE 100	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.5	99.5	99.5	100.0	100.0	100.0
GE 000	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.5	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 03-05

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.1	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.4
GE 20000	71.1	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.4
GE 18000	71.1	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.4
GE 16000	71.1	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.4
GE 14000	73.3	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.6
GE 12000	76.2	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.4
GE 10000	80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.2
GE 9000	81.2	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.5
GE 8000	84.1	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.3
GE 7000	86.0	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.3
GE 6000	89.0	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.3
GE 5000	91.3	91.8	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.9
GE 4500	92.2	92.8	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.9
GE 4000	93.8	94.4	94.5	94.8	95.1	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.5
GE 3500	94.6	95.2	95.3	95.6	95.9	95.9	95.9	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3
GE 3000	95.2	95.8	95.9	96.2	96.5	96.5	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.2
GE 2500	95.2	95.8	95.9	96.2	96.5	96.5	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.2
GE 2000	95.8	96.3	96.6	96.9	97.2	97.2	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.9
GE 1800	96.1	96.6	96.9	97.2	97.5	97.5	97.7	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.2
GE 1500	96.1	96.6	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.6
GE 1200	96.1	96.6	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.6
GE 1000	96.1	96.6	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.6
GE 900	96.1	96.6	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.6	98.7
GE 800	96.1	96.6	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.7	98.7	98.9
GE 700	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.0	99.3	99.3	99.4
GE 600	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.3	99.6	99.6	99.7
GE 500	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	99.9
GE 400	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	99.9
GE 300	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	99.9
GE 200	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	99.9
GE 100	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	99.9
GE 000	96.1	96.6	97.2	97.6	97.9	97.9	98.6	98.6	98.6	98.7	99.0	99.0	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 709

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OPERATING LOCATION #A  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.1	63.1	63.4	63.6	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.2	64.2	64.4
GE 20000	65.6	65.6	65.9	66.1	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.7	66.7	66.9
GE 18000	65.8	65.8	66.1	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.9	66.9	67.0
GE 16000	66.1	66.1	66.4	66.7	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.3	67.3	67.4
GE 14000	67.9	67.9	68.2	68.4	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.9	69.0	69.0	69.2
GE 12000	71.5	71.5	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.5	72.6	72.6	72.8
GE 10000	75.5	75.5	75.8	76.0	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.6	76.7	76.7	76.9
GE 9000	77.0	77.0	77.3	77.6	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	78.1	78.2	78.2	78.4
GE 8000	80.0	80.0	80.3	80.6	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.1	81.3	81.3	81.4
GE 7000	84.0	84.0	84.3	84.5	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.2	85.2	85.3
GE 6000	88.1	88.1	88.4	88.6	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.3	89.3	89.4
GE 5000	91.9	91.9	92.2	92.4	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	93.0	93.2	93.2	93.3
GE 4500	92.5	92.5	92.8	93.0	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.7	93.8	93.8	94.0
GE 4000	94.5	94.5	94.8	95.0	95.5	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.8	96.0	96.0	96.1
GE 3500	94.9	94.9	95.2	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.4	96.4	96.6
GE 3000	95.8	95.8	96.1	96.3	96.7	96.7	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.4	97.4	97.5
GE 2500	95.8	95.8	96.1	96.3	96.7	96.7	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.4	97.4	97.5
GE 2000	95.9	95.9	96.2	96.7	97.1	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.7	97.8	97.8	98.0
GE 1800	96.1	96.1	96.4	96.9	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.9	98.0	98.0	98.2
GE 1500	96.4	96.4	96.8	97.4	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.8	98.8	98.9
GE 1200	96.4	96.4	96.8	97.4	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.8	98.8	98.9
GE 1000	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	98.9	98.9	99.1	99.2	99.2	99.4
GE 900	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	98.9	98.9	99.1	99.2	99.2	99.4
GE 800	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	98.9	98.9	99.1	99.3	99.3	99.5
GE 700	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	98.9	98.9	99.2	99.4	99.4	99.5
GE 600	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	98.9	98.9	99.2	99.4	99.4	99.5
GE 500	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	99.0	99.0	99.4	99.6	99.6	99.8
GE 400	96.4	96.4	96.9	97.6	98.3	98.3	98.7	98.7	98.7	98.9	99.0	99.0	99.4	99.6	99.6	99.9
GE 300	96.4	96.4	96.9	97.6	98.3	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.5	99.7	99.7	100.0
GE 200	96.4	96.4	96.9	97.6	98.3	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.5	99.7	99.7	100.0
GE 100	96.4	96.4	96.9	97.6	98.3	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.5	99.7	99.7	100.0
GE 000	96.4	96.4	96.9	97.6	98.3	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1323

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.5	61.6	61.8
GE 20000	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.8	63.9	64.1	64.2
GE 18000	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.2	64.4	64.5
GE 16000	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.2	65.4
GE 14000	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.2	67.3	67.5
GE 12000	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.4	71.5	71.7
GE 10000	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.2	75.4	75.5
GE 9000	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.7	76.8	77.0
GE 8000	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.3	79.4	79.6
GE 7000	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.4	82.6	82.7
GE 6000	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.2	87.3	87.5	87.6
GE 5000	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.4	91.5	91.7
GE 4500	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.8	92.0
GE 4000	92.8	92.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.3	93.4	93.6
GE 3500	93.9	93.9	94.1	94.3	94.5	94.5	94.5	94.7	94.7	94.8	94.8	94.8	94.8	95.0	95.1	95.3
GE 3000	95.0	95.0	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.2	96.3	96.5
GE 2500	95.6	95.6	95.7	95.9	96.1	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.6	96.8	96.9	97.0
GE 2000	95.8	95.8	95.9	96.3	96.5	96.5	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.3	97.5	97.6
GE 1800	95.8	95.8	95.9	96.3	96.5	96.5	96.8	96.9	96.9	97.2	97.2	97.2	97.3	97.4	97.6	97.7
GE 1500	96.1	96.1	96.2	96.6	96.8	96.8	97.0	97.2	97.2	97.5	97.5	97.5	97.6	97.8	97.9	98.1
GE 1200	96.1	96.1	96.2	96.6	97.0	97.0	97.3	97.4	97.4	97.7	97.7	97.7	97.9	98.0	98.2	98.3
GE 1000	96.2	96.2	96.4	96.8	97.3	97.3	97.7	97.9	97.9	98.2	98.2	98.2	98.6	98.7	98.9	99.0
GE 900	96.2	96.2	96.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.1
GE 800	96.2	96.2	96.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.1
GE 700	96.2	96.2	96.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.1
GE 600	96.2	96.2	96.4	96.8	97.5	97.5	97.9	98.1	98.1	98.5	98.5	98.5	98.8	99.0	99.1	99.3
GE 500	96.2	96.2	96.4	96.8	97.5	97.5	97.9	98.1	98.1	98.5	98.5	98.5	99.0	99.1	99.3	99.4
GE 400	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.4	99.6
GE 300	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	99.7
GE 200	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	99.8
GE 100	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	100.0
GE 000	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1355

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 20000	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	68.0	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 16000	69.1	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 14000	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 12000	76.0	74.0	76.3	76.3	74.3	76.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 10000	77.2	77.2	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	78.7	78.7	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 8000	81.3	81.3	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 7000	83.2	83.2	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 6000	87.5	87.5	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 5000	90.1	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 4500	90.9	90.9	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 4000	92.8	92.8	93.3	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3500	93.9	93.9	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	95.7	95.7	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	96.0	96.0	96.8	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	96.7	96.7	97.4	97.9	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	96.7	96.7	97.4	97.9	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	96.9	96.9	97.7	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	97.1	97.1	97.9	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9
GE 1000	97.2	97.2	98.0	98.6	98.6	98.6	98.7	98.8	98.8	98.9	99.1	99.2	99.2	99.2	99.2
GE 900	97.3	97.3	98.1	98.6	98.6	98.6	98.8	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2
GE 800	97.3	97.3	98.1	98.6	98.6	98.6	98.8	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3
GE 700	97.3	97.3	98.1	98.6	98.6	98.6	98.8	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3
GE 600	97.3	97.3	98.1	98.6	98.9	98.9	99.0	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.8
GE 500	97.3	97.3	98.1	98.6	98.9	98.9	99.0	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.8
GE 400	97.3	97.3	98.1	98.6	98.9	98.9	99.0	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.9
GE 300	97.3	97.3	98.1	98.6	98.9	98.9	99.0	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.9
GE 200	97.3	97.3	98.1	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.6	99.6	99.6	100.0
GE 100	97.3	97.3	98.1	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.6	99.6	99.6	100.0
GE 000	97.3	97.3	98.1	98.6	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1328

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690119

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.3	63.3	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 20000	65.9	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 18000	66.0	66.0	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	67.2	67.2	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 14000	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	75.1	75.1	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 10000	77.9	77.9	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 9000	79.7	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	82.7	82.7	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	85.3	85.3	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 6000	89.2	89.2	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 5000	91.8	91.8	91.8	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4500	92.7	92.7	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	94.8	94.8	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	95.7	95.7	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000	97.2	97.2	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	97.5	97.5	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	98.3	98.4	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	98.3	98.4	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.3	98.4	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.3	98.4	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	98.3	98.4	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.3	98.4	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	98.3	98.4	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	98.3	98.4	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	98.3	98.4	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1063

D - 2 - 96

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
GE 20000	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
GE 18000	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
GE 16000	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0
GE 14000	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
GE 12000	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
GE 10000	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
GE 9000	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1
GE 8000	87.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
GE 7000	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 6000	88.5	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
GE 5000	91.5	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
GE 4500	92.3	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
GE 4000	93.6	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1
GE 3500	95.2	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
GE 3000	96.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 2500	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
GE 2000	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
GE 1800	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
GE 1500	97.8	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
GE 1200	98.1	98.1	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 1000	98.1	98.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 900	98.1	98.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 800	98.1	98.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 700	98.1	98.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 600	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 500	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 400	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 300	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 200	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 100	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 000	98.1	98.1	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 777

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 14000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 9000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 8000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 7000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 6000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 4500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	95.7	95.7	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	95.9	95.9	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	96.7	96.7	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	96.7	96.7	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	96.8	96.8	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	96.8	96.8	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9
GE 1000	97.1	97.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	97.1	97.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	97.5	97.5	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4
GE 700	97.5	97.5	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5
GE 600	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.7	99.7	99.7
GE 500	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8
GE 400	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0
GE 300	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0
GE 200	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0
GE 100	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0
GE 000	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 630



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.1
GE 20000	66.2	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.8
GE 18000	66.3	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9
GE 16000	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.7
GE 14000	69.3	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.9
GE 12000	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.2	74.2
GE 10000	77.4	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0
GE 9000	78.9	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.5	79.5
GE 8000	81.6	81.7	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.2
GE 7000	84.1	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.7
GE 6000	88.0	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.6	88.6	88.7
GE 5000	91.2	91.2	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9
GE 4500	92.0	92.0	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.8
GE 4000	93.6	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5
GE 3500	94.6	94.7	94.9	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.6	95.6
GE 3000	95.9	95.9	96.2	96.4	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.9	96.9	97.0	97.0
GE 2500	96.1	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.3
GE 2000	96.6	96.7	97.1	97.4	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
GE 1800	96.7	96.8	97.1	97.5	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.2
GE 1500	96.9	97.0	97.4	97.8	98.0	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.6
GE 1200	97.0	97.0	97.5	97.9	98.1	98.1	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.8
GE 1000	97.0	97.1	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.9	98.9	99.0	99.0	99.1	99.1	99.2
GE 900	97.1	97.1	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.2
GE 800	97.1	97.1	97.7	98.1	98.5	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.2	99.3
GE 700	97.1	97.1	97.7	98.1	98.5	98.5	98.8	98.8	98.8	99.0	99.1	99.1	99.2	99.3	99.4	99.4
GE 600	97.1	97.1	97.7	98.1	98.6	98.6	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.5	99.6	99.6
GE 500	97.1	97.1	97.7	98.1	98.6	98.6	98.9	99.0	99.0	99.1	99.2	99.3	99.5	99.6	99.7	99.7
GE 400	97.1	97.1	97.7	98.1	98.6	98.6	98.9	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 300	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 200	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 100	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	100.0
GE 000	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7815

D - 2 - 99

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 20000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 18000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 16000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 14000	59.3	59.4	59.4	59.9	60.7	60.7	61.4	61.6	61.6	62.1	62.4	62.5	62.8	62.8	63.1	63.4
GE 12000	61.9	62.1	62.1	62.5	63.3	63.3	64.1	64.2	64.2	64.7	65.0	65.1	65.4	65.4	65.7	66.1
GE 10000	64.7	65.0	65.1	65.6	66.4	66.4	67.4	67.6	67.6	68.0	68.5	68.7	69.0	69.0	69.3	69.6
GE 9000	65.6	65.9	66.1	66.5	67.3	67.3	68.4	68.5	68.5	69.0	69.4	69.6	69.9	69.9	70.2	70.5
GE 8000	67.4	67.7	67.9	68.4	69.1	69.1	70.2	70.4	70.4	70.8	71.3	71.4	71.7	71.7	72.0	72.4
GE 7000	70.5	70.8	71.0	71.4	72.2	72.2	73.3	73.4	73.4	73.9	74.3	74.5	74.8	74.8	75.1	75.4
GE 6000	72.8	73.1	73.3	73.7	74.5	74.5	75.7	75.9	75.9	76.7	77.1	77.3	77.6	77.6	77.9	78.2
GE 5000	76.2	76.5	76.7	77.1	77.9	77.9	79.3	79.7	79.7	80.5	81.0	81.1	81.4	81.4	81.7	82.0
GE 4500	76.7	77.0	77.1	77.6	78.3	78.3	79.7	80.2	80.2	81.0	81.4	81.6	81.9	81.9	82.2	82.5
GE 4000	78.2	78.5	79.0	79.4	80.3	80.3	81.7	82.2	82.2	82.9	83.4	83.6	83.9	83.9	84.2	84.5
GE 3500	78.5	79.1	79.3	79.7	80.6	80.6	82.0	82.5	82.5	83.3	83.7	83.9	84.2	84.2	84.5	84.8
GE 3000	79.9	80.8	81.0	81.4	82.3	82.3	83.7	84.2	84.2	84.9	85.4	85.6	85.9	85.9	86.2	86.5
GE 2500	80.6	81.7	81.9	82.3	83.3	83.3	84.8	85.3	85.3	86.0	86.5	86.6	86.9	86.9	87.3	87.6
GE 2000	81.3	82.5	83.1	83.6	84.5	84.5	86.0	86.5	86.5	87.3	87.9	88.0	88.3	88.3	88.6	88.9
GE 1800	81.3	82.5	83.1	83.6	84.5	84.5	86.0	86.5	86.5	87.3	87.9	88.0	88.3	88.3	88.6	88.9
GE 1500	82.3	84.0	84.8	85.3	86.2	86.3	88.2	88.8	88.8	89.6	90.2	90.3	90.6	90.6	90.9	91.2
GE 1200	82.6	84.8	86.2	86.6	87.6	87.7	89.6	90.2	90.2	90.9	91.6	91.7	92.0	92.0	92.3	92.6
GE 1000	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.3	92.5	92.9	92.9	93.2	93.5
GE 900	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.3	92.5	92.9	92.9	93.2	93.5
GE 800	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.3	92.5	92.9	92.9	93.2	93.5
GE 700	82.6	84.8	86.6	87.1	88.0	88.2	90.3	90.9	90.9	91.9	92.6	92.8	93.4	93.4	93.9	94.2
GE 600	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.6	93.4	93.5	94.2	94.2	94.6	95.1
GE 500	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	93.7	93.9	94.5	94.5	94.9	95.4
GE 400	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.2	94.3	94.9	94.9	95.9	97.2
GE 300	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.2	95.2	96.2	98.2
GE 200	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.5	95.5	96.5	98.5
GE 100	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.5	95.7	96.6	100.0
GE 000	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.5	95.7	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 651

D - 2 - 100

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
GE 20000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
GE 18000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
GE 16000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
GE 14000	58.0	58.0	58.2	58.5	59.7	60.0	60.3	60.5	60.5	61.1	61.4	61.6	61.8	61.8	61.8	62.9
GE 12000	59.9	59.9	60.1	60.4	61.6	61.9	62.3	62.6	62.6	63.1	63.4	63.7	63.8	63.8	63.8	64.9
GE 10000	62.6	62.7	63.1	63.4	64.8	65.0	65.4	65.7	65.7	66.3	66.5	66.8	66.9	66.9	67.1	68.2
GE 9000	63.5	63.7	64.1	64.4	65.7	66.0	66.4	66.7	66.7	67.2	67.5	67.8	67.9	67.9	68.0	69.1
GE 8000	64.6	64.9	65.3	65.7	67.1	67.3	67.9	68.3	68.3	68.8	69.1	69.4	69.5	69.5	69.7	70.7
GE 7000	67.2	67.5	68.0	68.4	69.8	70.1	70.6	71.0	71.0	71.6	71.8	72.1	72.2	72.2	72.4	73.5
GE 6000	71.4	71.7	72.2	72.7	74.0	74.3	74.8	75.2	75.2	75.8	76.1	76.3	76.5	76.5	76.6	77.7
GE 5000	75.8	76.1	76.7	77.1	78.5	78.8	79.3	79.7	79.7	80.3	80.5	80.8	81.0	81.0	81.1	82.2
GE 4500	76.2	76.5	77.1	77.6	78.9	79.2	79.7	80.1	80.1	80.7	81.0	81.2	81.4	81.4	81.5	82.6
GE 4000	76.6	76.9	77.7	78.1	79.5	79.7	80.3	80.7	80.7	81.2	81.5	81.8	81.9	81.9	82.0	83.1
GE 3500	77.1	77.6	78.4	78.8	80.1	80.4	81.1	81.5	81.5	82.0	82.3	82.6	82.7	82.7	82.9	83.9
GE 3000	78.8	79.7	80.5	81.1	82.4	82.7	83.4	83.9	83.9	84.5	84.8	85.0	85.2	85.2	85.3	86.4
GE 2500	79.5	80.4	81.4	81.9	83.5	83.8	84.5	85.0	85.0	85.6	85.9	86.1	86.3	86.3	86.4	87.5
GE 2000	80.0	81.0	82.4	83.0	84.9	85.2	85.9	86.4	86.4	86.9	87.2	87.5	87.6	87.6	87.8	88.8
GE 1800	80.0	81.0	82.4	83.1	85.0	85.3	86.0	86.5	86.5	87.1	87.3	87.6	87.8	87.8	87.9	89.0
GE 1500	81.1	82.4	84.6	85.3	87.2	87.5	88.2	88.8	88.8	89.4	89.7	89.9	90.1	90.1	90.2	91.3
GE 1200	81.1	82.4	85.6	86.3	88.2	88.4	89.3	89.9	89.9	90.6	90.9	91.2	91.3	91.3	91.4	92.5
GE 1000	81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.1
GE 900	81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.3
GE 800	81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.5
GE 700	81.1	82.4	86.0	86.7	88.7	89.0	89.9	90.6	90.6	91.3	91.8	92.1	92.4	92.4	92.8	94.3
GE 600	81.1	82.9	86.4	87.1	89.1	89.4	90.3	91.3	91.3	92.0	92.5	92.8	93.1	93.1	93.5	95.2
GE 500	81.1	82.9	86.4	87.1	89.1	89.4	90.3	91.3	91.3	92.1	92.7	92.9	93.2	93.2	93.7	95.6
GE 400	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.3	93.3	94.4	96.9
GE 300	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.6	93.6	94.7	98.2
GE 200	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.7	94.0	95.1	98.9
GE 100	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.7	94.3	95.5	100.0
GE 000	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.7	94.3	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 735

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.8	52.0	52.7	53.1	53.5	53.7	54.2	54.3	54.3	54.6	54.6	54.7	55.3	55.5	56.1	56.9
GE 20000	53.0	53.2	54.0	54.4	54.8	55.1	55.6	55.7	55.7	55.9	56.0	56.1	56.7	56.9	57.5	58.3
GE 18000	53.2	53.3	54.2	54.6	55.0	55.3	55.7	55.9	55.9	56.1	56.2	56.3	56.9	57.0	57.6	58.5
GE 16000	53.3	53.5	54.3	54.7	55.1	55.4	55.9	56.0	56.0	56.3	56.3	56.4	57.0	57.2	57.8	58.6
GE 14000	54.4	54.6	55.4	55.8	56.2	56.5	56.9	57.1	57.1	57.3	57.4	57.5	58.1	58.3	58.9	59.7
GE 12000	57.0	57.2	58.1	58.7	59.1	59.4	59.9	60.0	60.0	60.2	60.3	60.4	61.0	61.2	61.8	62.7
GE 10000	60.4	60.7	61.7	62.3	62.7	63.0	63.5	63.6	63.6	63.9	63.9	64.0	64.6	64.8	65.4	66.3
GE 9000	61.8	62.1	63.1	63.7	64.2	64.5	64.9	65.1	65.1	65.3	65.4	65.5	66.1	66.2	66.8	67.8
GE 8000	63.8	64.1	65.1	65.7	66.2	66.5	66.9	67.1	67.1	67.3	67.4	67.5	68.1	68.2	68.8	69.8
GE 7000	66.6	66.9	67.9	68.6	69.1	69.4	69.8	70.0	70.0	70.2	70.3	70.4	71.0	71.1	71.8	72.7
GE 6000	70.4	70.7	71.7	72.4	72.9	73.2	73.7	73.8	73.8	74.1	74.1	74.2	74.8	75.0	75.6	76.5
GE 5000	74.8	75.1	76.2	77.0	77.4	77.7	78.2	78.4	78.4	78.7	78.7	78.8	79.4	79.6	80.2	81.1
GE 4500	75.1	75.4	76.7	77.4	77.9	78.2	78.7	78.8	78.8	79.1	79.2	79.3	79.9	80.0	80.7	81.6
GE 4000	76.6	76.9	78.2	79.0	79.4	79.7	80.2	80.4	80.4	80.7	80.7	80.8	81.4	81.6	82.2	83.1
GE 3500	77.3	77.6	78.9	79.7	80.2	80.5	81.0	81.3	81.3	81.7	81.7	81.8	82.4	82.6	83.2	84.1
GE 3000	78.4	79.1	80.4	81.4	82.0	82.3	82.8	83.1	83.1	83.6	83.7	83.8	84.4	84.6	85.2	86.1
GE 2500	78.8	79.6	80.9	81.9	82.6	83.0	83.6	83.9	83.9	84.4	84.7	84.7	85.3	85.5	86.1	87.0
GE 2000	79.7	80.5	82.0	83.0	83.9	84.3	84.9	85.3	85.3	85.9	86.2	86.3	86.9	87.0	87.7	88.6
GE 1800	79.7	80.5	82.0	83.2	84.0	84.4	85.0	85.5	85.5	86.0	86.3	86.4	87.0	87.2	87.9	88.8
GE 1500	80.1	81.2	83.1	84.3	85.7	86.2	86.9	87.3	87.3	88.0	88.3	88.3	88.9	89.1	89.8	90.7
GE 1200	80.1	81.2	83.7	85.0	86.3	86.8	87.7	88.2	88.3	88.9	89.2	89.3	89.9	90.0	90.7	91.6
GE 1000	80.1	81.2	84.0	85.5	87.1	87.6	88.5	88.9	89.0	89.7	90.2	90.3	91.3	91.5	92.2	93.1
GE 900	80.2	81.3	84.0	85.6	87.2	87.6	88.6	89.0	89.1	89.8	90.3	90.3	91.4	91.6	92.2	93.2
GE 800	80.2	81.3	84.0	85.6	87.2	87.6	88.8	89.4	89.5	90.2	90.7	90.9	91.9	92.1	92.8	93.8
GE 700	80.2	81.4	84.2	85.7	87.3	87.8	88.9	89.6	89.7	90.4	90.9	91.1	92.2	92.4	93.3	94.3
GE 600	80.2	81.6	84.4	86.0	87.6	88.0	89.2	90.0	90.1	90.9	91.4	91.6	92.7	92.9	93.9	94.9
GE 500	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.2	91.8	91.9	93.2	93.4	94.8	96.1
GE 400	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	93.3	94.1	95.8	97.9
GE 300	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	93.9	94.2	96.0	98.7
GE 200	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	93.9	94.4	96.5	99.5
GE 100	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	94.0	94.5	96.6	100.0
GE 000	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	94.0	94.5	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1303

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	49.3	49.9	50.0	50.1	50.1	50.3	50.5	50.5	50.9	51.0	51.1	51.5	51.6	52.2	52.6
GE 20000	50.4	51.0	51.6	51.7	51.8	51.8	52.0	52.2	52.2	52.6	52.8	52.8	53.2	53.4	54.0	54.4
GE 18000	50.8	51.4	52.0	52.2	52.3	52.3	52.5	52.8	52.8	53.1	53.3	53.4	53.7	53.9	54.5	54.9
GE 16000	51.4	52.0	52.6	52.8	52.9	52.9	53.1	53.4	53.4	53.7	53.9	54.0	54.3	54.5	55.1	55.5
GE 14000	53.4	54.0	54.6	54.8	54.9	54.9	55.1	55.3	55.3	55.7	55.8	55.9	56.3	56.4	57.0	57.5
GE 12000	55.7	56.4	57.0	57.3	57.3	57.3	57.6	57.8	57.8	58.2	58.3	58.4	58.8	58.9	59.5	60.0
GE 10000	59.2	60.1	60.7	61.0	61.1	61.1	61.3	61.5	61.5	61.9	62.1	62.1	62.5	62.7	63.3	63.7
GE 9000	61.0	61.9	62.5	62.8	62.9	62.9	63.1	63.3	63.3	63.7	63.9	63.9	64.3	64.5	65.1	65.5
GE 8000	63.3	64.2	64.8	65.1	65.2	65.2	65.4	65.7	65.7	66.0	66.2	66.3	66.6	66.8	67.4	67.8
GE 7000	66.4	67.3	67.9	68.3	68.4	68.4	68.6	68.8	68.8	69.2	69.3	69.4	69.8	69.9	70.5	71.0
GE 6000	70.6	71.6	72.3	72.7	73.0	73.0	73.2	73.5	73.5	73.8	74.0	74.1	74.4	74.6	75.2	75.6
GE 5000	75.5	76.5	77.1	77.6	77.9	77.9	78.1	78.3	78.3	78.7	78.9	78.9	79.3	79.5	80.1	80.5
GE 4500	76.5	77.5	78.3	78.9	79.3	79.3	79.5	79.8	79.8	80.1	80.3	80.4	80.7	80.9	81.5	81.9
GE 4000	78.0	79.0	79.9	80.6	81.1	81.1	81.3	81.6	81.6	81.9	82.2	82.3	82.7	82.8	83.4	83.9
GE 3500	78.8	79.8	80.7	81.5	82.0	82.0	82.2	82.5	82.5	82.8	83.1	83.2	83.6	83.7	84.3	84.8
GE 3000	80.1	81.1	82.2	83.1	83.7	83.7	84.0	84.2	84.3	84.6	84.9	85.0	85.4	85.5	86.1	86.6
GE 2500	80.5	81.6	82.6	83.7	84.3	84.3	84.6	84.9	84.9	85.4	85.7	85.8	86.1	86.3	86.9	87.3
GE 2000	81.1	82.2	83.4	84.5	85.4	85.4	85.9	86.3	86.4	86.8	87.1	87.2	87.6	87.7	88.3	88.8
GE 1800	81.2	82.2	83.5	84.6	85.6	85.6	86.1	86.5	86.6	87.0	87.3	87.4	87.8	87.9	88.5	89.0
GE 1500	81.5	82.5	84.2	85.5	86.5	86.5	87.4	87.8	87.9	88.4	88.7	88.8	89.1	89.3	89.9	90.3
GE 1200	81.7	82.3	84.4	85.9	87.0	87.1	88.2	88.5	88.8	89.5	89.8	89.9	90.3	90.4	91.0	91.5
GE 1000	81.9	83.1	84.9	86.5	87.8	87.9	89.1	89.5	89.7	90.7	91.1	91.2	91.9	92.1	92.7	93.1
GE 900	81.9	83.1	84.9	86.6	87.9	87.9	89.1	89.6	89.8	90.9	91.3	91.5	92.1	92.3	92.9	93.3
GE 800	81.9	83.1	85.2	86.8	88.2	88.2	89.7	90.3	90.5	91.6	92.0	92.1	92.8	93.0	93.6	94.2
GE 700	81.9	83.1	85.2	86.9	88.4	88.5	89.9	90.6	90.8	92.0	92.4	92.5	93.3	93.5	94.2	94.8
GE 600	81.9	83.2	85.3	87.2	88.8	88.8	90.5	91.3	91.5	92.7	93.2	93.3	94.2	94.4	95.1	95.7
GE 500	81.9	83.4	85.5	87.6	89.3	89.4	91.0	92.1	92.3	93.6	94.0	94.2	95.1	95.4	96.5	97.1
GE 400	81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.7	93.9	94.4	94.7	95.7	96.3	97.4	98.4
GE 300	81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.8	96.4	97.8	99.1
GE 200	81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	96.5	98.1	99.8
GE 100	81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	96.5	98.1	100.0
GE 000	81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	96.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1334

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	53.2	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.8	53.9	53.9	53.9	54.0	54.1	54.2
GE 20000	56.3	56.5	56.8	56.8	56.9	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3	57.4	57.5
GE 18000	56.6	56.8	57.1	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.7	57.8
GE 16000	57.5	57.7	58.0	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.6	58.7
GE 14000	60.2	60.3	60.6	60.6	60.8	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.3	61.4
GE 12000	62.8	62.9	63.2	63.2	63.4	63.5	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.8	63.9	64.0
GE 10000	66.8	66.9	67.2	67.2	67.4	67.5	67.5	67.5	67.5	67.6	67.7	67.7	67.7	67.8	67.9	68.0
GE 9000	68.2	68.4	68.7	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.4	69.4
GE 8000	69.8	70.0	70.3	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.9	71.0
GE 7000	71.7	71.8	72.2	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.8	72.9
GE 6000	75.8	76.0	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.7	76.8	76.8	76.8	76.8	77.0	77.1
GE 5000	80.2	80.4	80.7	80.7	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.4	81.4
GE 4500	81.2	81.4	81.8	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.5	82.6	82.7
GE 4000	83.1	83.2	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.7	84.7	84.7	84.8	84.9	85.0
GE 3500	83.8	84.0	84.9	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.6	85.7	85.8
GE 3000	85.5	85.7	86.8	86.9	87.2	87.3	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.7	87.8	87.9
GE 2500	85.7	86.0	87.1	87.3	87.7	88.0	88.2	88.4	88.5	88.7	88.8	88.8	88.8	88.8	89.0	89.1
GE 2000	86.2	86.8	87.9	88.2	88.7	89.1	89.4	89.6	89.7	90.2	90.3	90.3	90.3	90.3	90.5	90.6
GE 1800	86.3	86.9	88.0	88.4	88.8	89.2	89.6	89.7	89.9	90.3	90.4	90.4	90.4	90.5	90.6	90.7
GE 1500	86.6	87.2	88.5	89.1	89.6	90.0	90.5	90.7	90.9	91.6	91.8	91.8	91.8	91.8	92.0	92.1
GE 1200	87.0	87.9	89.2	89.9	90.6	91.0	91.5	91.8	91.9	92.8	93.0	93.0	93.0	93.1	93.2	93.3
GE 1000	87.4	88.4	89.7	90.5	91.2	91.7	92.3	92.5	92.7	93.7	93.9	93.9	94.0	94.0	94.2	94.4
GE 900	87.4	88.4	89.7	90.6	91.3	91.8	92.4	92.7	92.8	94.0	94.2	94.2	94.3	94.4	94.6	94.8
GE 800	87.7	88.7	90.1	91.0	91.8	92.2	93.1	93.6	93.7	94.9	95.1	95.1	95.4	95.5	95.6	95.8
GE 700	88.0	89.0	90.6	91.8	92.6	93.1	93.9	94.5	94.6	95.9	96.3	96.3	96.6	96.7	96.8	97.1
GE 600	88.1	89.2	90.8	92.2	93.0	93.5	94.3	94.9	95.2	96.7	97.1	97.2	97.5	97.6	97.7	98.0
GE 500	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.8	97.3	97.7	97.8	98.2	98.3	98.6	98.8
GE 400	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	98.9	99.2
GE 300	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.0	99.5
GE 200	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.0	99.6
GE 100	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.2	100.0
GE 000	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1325

D - 2 - 104

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MA 60 - APR 90  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.5	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	53.1	53.1	53.1	53.1
GE 20000	55.5	55.5	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.1	56.1	56.1	56.1
GE 18000	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.6	56.6	56.6	56.6
GE 16000	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3
GE 14000	58.5	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.1	59.1	59.1
GE 12000	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.3	63.3	63.3	63.3
GE 10000	66.7	66.7	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.3	67.3	67.3	67.3
GE 9000	68.4	68.4	68.4	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0
GE 8000	71.5	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	72.1	72.1	72.1	72.1
GE 7000	73.4	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	74.0	74.0	74.0	74.0
GE 6000	77.5	77.5	77.5	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.2
GE 5000	82.0	82.0	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.7	82.7	82.7	82.7
GE 4500	82.9	82.9	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6
GE 4000	85.2	85.2	85.2	85.8	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
GE 3500	86.9	86.9	86.9	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.8	87.8	87.8	87.8
GE 3000	88.2	88.4	88.9	89.5	89.6	89.6	89.6	89.6	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0
GE 2500	88.9	89.0	89.5	90.2	90.4	90.4	90.5	90.5	90.6	91.0	91.0	91.0	91.2	91.2	91.2	91.2
GE 2000	89.9	90.6	91.0	91.8	91.9	91.9	92.1	92.1	92.2	92.8	92.8	92.8	92.9	92.9	92.9	92.9
GE 1800	89.9	90.6	91.0	91.8	91.9	91.9	92.1	92.1	92.4	92.9	92.9	92.9	93.1	93.1	93.1	93.1
GE 1500	90.3	91.2	91.7	92.5	92.7	92.7	92.9	92.9	93.3	93.9	93.9	93.9	94.1	94.1	94.1	94.1
GE 1200	90.7	91.9	92.4	93.3	93.5	93.5	93.8	93.8	94.1	94.7	94.7	94.7	94.9	94.9	94.9	94.9
GE 1000	90.9	92.1	92.6	93.5	93.7	93.7	93.9	93.9	94.3	94.9	94.9	94.9	95.3	95.3	95.3	95.3
GE 900	91.0	92.3	92.8	93.9	94.1	94.1	94.4	94.4	94.8	95.8	95.8	95.8	96.3	96.3	96.4	96.4
GE 800	91.2	92.5	92.9	94.2	94.5	94.5	94.9	95.0	95.5	96.5	96.5	96.5	96.9	96.9	97.0	97.0
GE 700	91.7	93.1	93.9	95.5	95.7	95.7	96.2	96.3	96.7	97.7	97.7	97.7	98.2	98.2	98.3	98.3
GE 600	91.7	93.1	93.9	95.5	95.9	96.0	96.5	96.6	97.1	98.1	98.2	98.2	98.6	98.6	98.7	98.7
GE 500	91.7	93.1	93.9	95.5	96.1	96.2	96.6	96.8	97.3	98.5	98.6	98.6	99.1	99.1	99.2	99.2
GE 400	91.7	93.2	94.0	95.6	96.2	96.3	96.7	96.9	97.4	98.6	98.6	98.7	99.2	99.5	99.5	99.5
GE 300	91.7	93.2	94.0	95.6	96.2	96.3	96.7	96.9	97.4	98.6	98.6	98.7	99.2	99.5	99.5	99.5
GE 200	91.7	93.2	94.0	95.6	96.2	96.3	96.7	96.9	97.4	98.6	98.6	98.7	99.3	99.5	99.6	99.7
GE 100	91.7	93.2	94.0	95.6	96.2	96.3	96.7	96.9	97.4	98.6	98.6	98.7	99.3	99.5	99.6	100.0
GE 000	91.7	93.2	94.0	95.6	96.2	96.3	96.7	96.9	97.4	98.6	98.6	98.7	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1104

D - 2 - 105

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.1	58.1	58.1	58.2
GE 20000	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.1	58.1	58.1	58.2
GE 18000	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.2	58.2	58.2	58.3
GE 16000	57.8	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.5
GE 14000	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.3	59.3	59.3	59.4
GE 12000	62.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.2
GE 10000	66.3	66.4	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.2	67.2	67.2	67.3
GE 9000	67.7	67.9	67.9	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.7	68.7	68.7	68.8
GE 8000	69.9	70.0	70.0	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.8	70.8	70.8	71.0
GE 7000	71.5	71.6	71.6	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.6
GE 6000	76.6	76.7	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.7
GE 5000	81.0	81.2	81.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.0	82.0	82.0	82.1
GE 4500	81.9	82.0	82.1	82.4	82.7	82.7	82.7	82.7	82.7	82.8	82.9	82.9	83.1	83.1	83.1	83.2
GE 4000	83.6	83.7	83.9	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.7	84.8	84.8	84.9	84.9	85.1
GE 3500	85.3	85.5	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.4	86.6	86.6	86.7	86.7	86.7	86.8
GE 3000	86.6	86.7	86.8	87.4	87.8	87.8	87.8	87.8	87.8	88.2	88.3	88.3	88.4	88.4	88.4	88.6
GE 2500	87.6	87.8	87.9	88.4	88.8	88.8	88.8	88.8	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.7
GE 2000	89.2	89.8	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.8	91.9	91.9	92.1	92.1	92.1	92.2
GE 1800	89.4	89.9	90.6	91.1	91.8	91.8	91.8	91.8	91.8	92.5	92.6	92.6	92.7	92.7	92.7	92.9
GE 1500	90.1	90.6	91.3	91.9	92.6	92.6	92.6	92.9	92.9	93.5	93.7	93.7	93.8	93.8	93.8	94.0
GE 1200	90.2	90.9	91.5	92.5	93.1	93.1	93.3	93.5	93.5	94.2	94.4	94.4	94.5	94.5	94.5	94.6
GE 1000	90.6	91.3	91.9	92.9	93.5	93.5	93.7	94.0	94.0	94.6	94.8	94.8	95.0	95.0	95.0	95.2
GE 900	90.6	91.4	92.2	93.4	94.1	94.1	94.2	94.5	94.5	95.2	95.3	95.3	95.6	95.6	95.6	95.7
GE 800	90.6	91.4	92.2	93.4	94.2	94.2	94.4	94.6	94.6	95.3	95.4	95.4	95.7	95.7	95.7	95.8
GE 700	90.6	91.5	92.5	93.7	94.8	94.8	94.9	95.2	95.2	95.8	96.0	96.0	96.2	96.2	96.2	96.5
GE 600	90.6	91.8	92.7	94.0	95.3	95.6	95.7	96.1	96.2	97.0	97.2	97.2	97.4	97.4	97.4	97.7
GE 500	90.6	91.9	92.9	94.1	95.8	96.1	96.2	96.6	96.8	97.5	97.7	97.7	98.1	98.1	98.1	98.7
GE 400	90.6	91.9	92.9	94.1	95.8	96.1	96.2	96.6	96.8	97.7	97.8	97.8	98.3	98.3	98.3	98.8
GE 300	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	99.6
GE 200	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	99.7
GE 100	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	99.9
GE 000	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

0 - 2 - 106



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
GE 23000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
GE 18000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
GE 16000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
GE 14000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
GE 12000	62.2	62.5	62.7	63.0	63.3	63.3	63.3	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6
GE 10000	65.1	65.4	65.6	65.9	66.2	66.2	66.2	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 9000	66.7	67.0	67.1	67.4	67.7	67.7	67.7	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2
GE 8000	69.6	69.9	70.0	70.4	70.7	70.7	70.7	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 7000	72.0	72.4	72.5	72.8	73.1	73.1	73.1	73.3	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	75.6	75.9	76.0	76.3	76.7	76.7	76.7	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
GE 5000	79.4	79.7	79.9	80.2	80.5	80.5	80.5	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	80.2	80.5	80.8	81.1	81.4	81.4	81.4	81.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0
GE 4000	81.9	82.2	82.5	82.8	83.3	83.3	83.3	83.4	83.6	83.7	83.9	83.9	83.9	83.9	84.0	84.0
GE 3500	82.5	82.8	83.1	83.4	83.9	83.9	83.9	84.0	84.2	84.6	84.8	84.8	84.8	84.8	84.9	84.9
GE 3000	83.7	84.0	84.3	84.8	85.3	85.3	85.3	85.4	85.6	86.0	86.2	86.2	86.2	86.2	86.3	86.3
GE 2500	84.8	85.1	85.4	86.0	86.5	86.5	86.5	86.6	86.8	87.3	87.6	87.6	87.6	87.6	87.7	87.7
GE 2000	85.7	86.5	87.6	88.2	88.6	88.6	88.8	88.9	89.1	89.6	89.9	89.9	89.9	89.9	90.0	90.0
GE 1800	85.7	86.5	87.6	88.2	88.6	88.6	88.8	88.9	89.1	89.6	89.9	89.9	89.9	89.9	90.0	90.0
GE 1500	86.8	87.6	88.6	89.2	89.7	89.7	90.2	90.3	90.5	90.9	91.2	91.2	91.2	91.2	91.4	91.4
GE 1200	87.4	88.3	89.7	90.3	90.8	90.8	91.6	91.7	91.9	92.3	92.6	92.6	92.6	92.6	92.8	92.8
GE 1000	87.4	88.3	89.7	90.3	90.8	90.8	91.6	91.7	91.9	92.3	92.8	92.8	92.8	92.8	92.9	92.9
GE 900	87.4	88.6	90.2	90.8	91.2	91.2	92.0	92.2	92.3	92.8	93.2	93.2	93.2	93.2	93.4	93.5
GE 800	87.4	88.8	90.3	90.9	91.9	91.9	92.6	92.8	92.9	93.5	94.2	94.2	94.2	94.2	94.3	94.5
GE 700	87.9	89.2	90.8	91.4	92.3	92.3	93.1	93.2	93.4	94.0	94.6	94.6	94.6	94.6	94.8	94.9
GE 600	87.9	89.6	91.1	91.9	92.8	92.8	93.5	93.7	93.9	94.5	95.1	95.1	95.1	95.1	95.4	95.5
GE 500	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.5	94.6	95.2	96.0	96.0	96.0	96.0	96.5	97.1
GE 400	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.1	97.5	98.6
GE 300	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.1	97.5	99.1
GE 200	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	99.2
GE 100	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	100.0
GE 000	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.9	54.1	54.4	54.6	55.0	55.0	55.3	55.4	55.4	55.6	55.7	55.8	56.0	56.1	56.3	56.7
GE 20000	55.4	55.6	55.9	56.1	56.5	56.5	56.8	56.9	56.9	57.1	57.2	57.3	57.5	57.6	57.8	58.2
GE 18000	55.6	55.8	56.2	56.4	56.7	56.8	57.0	57.1	57.1	57.3	57.5	57.5	57.8	57.8	58.1	58.5
GE 16000	56.0	56.2	56.6	56.8	57.1	57.2	57.4	57.5	57.5	57.7	57.9	57.9	58.2	58.2	58.5	58.9
GE 14000	57.3	57.5	57.9	58.1	58.4	58.5	58.7	58.8	58.8	59.1	59.2	59.2	59.5	59.6	59.8	60.2
GE 12000	60.2	60.4	60.8	61.0	61.4	61.5	61.7	61.8	61.8	62.0	62.1	62.2	62.4	62.5	62.8	63.1
GE 10000	63.7	64.0	64.4	64.7	65.0	65.1	65.4	65.5	65.5	65.7	65.8	65.9	66.2	66.2	66.5	66.9
GE 9000	65.1	65.4	65.8	66.1	66.5	66.6	66.8	66.9	67.0	67.2	67.3	67.4	67.6	67.7	67.9	68.3
GE 8000	67.2	67.6	67.9	68.3	68.6	68.7	69.0	69.1	69.1	69.4	69.5	69.6	69.8	69.9	70.1	70.5
GE 7000	69.7	70.0	70.4	70.7	71.1	71.2	71.5	71.6	71.6	71.8	72.0	72.0	72.3	72.3	72.6	73.0
GE 6000	73.7	74.0	74.4	74.8	75.2	75.3	75.6	75.7	75.7	75.9	76.1	76.1	76.4	76.4	76.7	77.1
GE 5000	78.0	78.3	78.8	79.2	79.6	79.7	80.0	80.1	80.1	80.4	80.5	80.6	80.8	80.9	81.2	81.5
GE 4500	78.8	79.1	79.6	80.1	80.5	80.6	80.9	81.0	81.0	81.3	81.5	81.5	81.8	81.8	82.1	82.5
GE 4000	80.4	80.7	81.4	81.8	82.3	82.4	82.7	82.9	82.9	83.2	83.3	83.4	83.6	83.7	84.0	84.4
GE 3500	81.3	81.6	82.3	82.8	83.3	83.4	83.7	83.9	83.9	84.2	84.4	84.4	84.7	84.7	85.0	85.4
GE 3000	82.6	83.2	84.0	84.6	85.1	85.2	85.5	85.7	85.8	86.1	86.3	86.4	86.6	86.7	87.0	87.4
GE 2500	83.2	83.8	84.6	85.3	85.9	86.0	86.4	86.7	86.7	87.2	87.4	87.4	87.7	87.7	88.0	88.4
GE 2000	84.0	84.8	85.9	86.6	87.3	87.5	88.0	88.2	88.3	88.8	89.0	89.1	89.3	89.4	89.7	90.1
GE 1800	84.1	84.9	86.0	86.7	87.5	87.6	88.1	88.4	88.5	89.0	89.2	89.3	89.5	89.6	89.9	90.3
GE 1500	84.6	85.6	86.9	87.8	88.6	88.8	89.5	89.8	89.9	90.5	90.8	90.8	91.1	91.1	91.4	91.8
GE 1200	84.9	86.0	87.6	88.5	89.5	89.7	90.4	90.8	90.9	91.6	91.8	91.9	92.1	92.2	92.5	92.9
GE 1000	85.1	86.2	87.9	88.9	89.9	90.1	91.0	91.3	91.5	92.3	92.6	92.6	93.1	93.1	93.4	93.8
GE 900	85.1	86.3	88.0	89.1	90.1	90.3	91.2	91.5	91.7	92.6	92.9	93.0	93.4	93.5	93.8	94.2
GE 800	85.2	86.4	88.1	89.3	90.4	90.6	91.6	92.0	92.2	93.1	93.4	93.5	94.0	94.1	94.4	94.9
GE 700	85.3	86.6	88.5	89.8	90.9	91.1	92.1	92.6	92.7	93.7	94.0	94.1	94.7	94.7	95.1	95.7
GE 600	85.3	86.8	88.7	90.0	91.2	91.5	92.5	93.1	93.3	94.3	94.7	94.9	95.4	95.5	95.9	96.4
GE 500	85.4	86.9	88.8	90.2	91.5	91.8	92.9	93.5	93.7	94.8	95.3	95.4	96.0	96.1	96.7	97.4
GE 400	85.4	86.9	88.8	90.3	91.6	91.9	92.9	93.6	93.8	95.0	95.6	95.7	96.4	96.6	97.4	98.4
GE 300	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.5	96.8	97.6	99.1
GE 200	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	96.9	97.8	99.5
GE 100	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	97.0	97.9	100.0
GE 000	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	97.0	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7847

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.5	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.1
GE 20000	72.3	72.3	72.4	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9
GE 18000	72.5	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
GE 16000	72.7	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3
GE 14000	74.0	74.1	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.6
GE 12000	77.1	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7
GE 10000	80.4	80.5	80.7	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1
GE 9000	81.6	81.7	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.3
GE 8000	83.6	83.7	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3
GE 7000	85.6	85.7	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3
GE 6000	88.6	88.7	88.9	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4
GE 5000	91.5	91.6	91.8	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.4
GE 4500	92.1	92.3	92.5	92.6	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.1
GE 4000	93.4	93.6	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5
GE 3500	94.1	94.3	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.3
GE 3000	95.0	95.2	95.5	95.7	95.9	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.4
GE 2500	95.5	95.7	96.0	96.3	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0
GE 2000	95.8	96.1	96.5	96.8	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.6
GE 1800	95.9	96.1	96.5	96.8	97.1	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.7
GE 1500	96.0	96.3	96.8	97.1	97.4	97.4	97.6	97.7	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.1
GE 1200	96.1	96.4	96.9	97.3	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.3	98.3
GE 1000	96.2	96.5	97.1	97.4	97.8	97.9	98.1	98.2	98.2	98.4	98.4	98.5	98.5	98.6	98.6	98.7
GE 900	96.2	96.6	97.1	97.5	97.9	97.9	98.1	98.2	98.3	98.5	98.5	98.5	98.6	98.7	98.7	98.8
GE 800	96.3	96.6	97.2	97.6	97.9	98.0	98.2	98.3	98.4	98.6	98.7	98.7	98.8	98.8	98.9	98.9
GE 700	96.3	96.6	97.2	97.6	98.0	98.1	98.3	98.4	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.1
GE 600	96.3	96.6	97.2	97.7	98.1	98.1	98.4	98.5	98.6	98.8	98.9	98.9	99.1	99.1	99.2	99.3
GE 500	96.3	96.6	97.2	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.0	99.0	99.2	99.3	99.4	99.5
GE 400	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.3	99.5	99.7
GE 300	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.4	99.6	99.8
GE 200	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.4	99.6	99.9
GE 100	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.4	99.6	100.0
GE 000	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 97963

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	32.9	20.4	15.5	30.6	.6	46.7		651
03-05	32.2	17.7	16.7	35.1	.3	50.1		734
06-08	22.9	19.3	17.9	37.3	2.6	57.8	3.6	1433
09-11	15.8	18.1	21.9	40.9	3.3	66.1	4.4	1473
12-14	15.4	20.0	20.4	41.8	2.3	64.6	3.1	1460
15-17	15.5	19.3	20.9	42.8	1.4	65.1	1.4	1179
18-20	24.5	18.0	16.7	40.5	.4	57.5		744
21-23	29.8	17.5	17.7	34.6	.5	52.7		651
ALL HOURS	21.6	18.9	18.9	38.9	1.8	59.5	2.1	8325

MONTH: FEB HOURS: ALL

00-02	30.8	23.5	19.1	26.4	.2	45.7		591
03-05	30.4	19.0	20.4	30.2		50.6		652
06-08	20.0	21.9	20.3	36.6	1.2	58.2	1.7	1317
09-11	13.8	24.0	22.6	38.1	1.5	62.2	1.7	1356
12-14	12.0	24.5	25.3	37.2	1.0	63.6	1.6	1337
15-17	13.4	21.7	25.5	39.2	.2	64.9	1.1	1079
18-20	20.9	19.0	22.7	37.3		60.0		678
21-23	30.3	20.3	17.8	31.5	.2	49.4		591
ALL HOURS	19.2	22.2	22.3	35.7	.7	58.7	1.1	7601

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	40.4	19.1	12.2	28.3		40.4		591
03-05	38.2	18.9	15.3	27.6		42.9		693
06-08	22.9	21.8	21.1	33.4	.8	55.4	1.4	1466
09-11	18.4	21.1	22.8	37.3	.5	60.6	1.0	1519
12-14	13.9	21.6	26.8	37.4	.2	64.5	1.2	1472
15-17	14.0	20.1	25.9	39.6	.3	65.8	.7	1206
18-20	21.1	22.4	19.1	37.1	.3	56.5		744
21-23	34.7	21.2	17.3	26.8		44.1		570
ALL HOURS	22.4	21.0	21.6	34.7	.3	56.6	.7	8281

MONTH: APR HOURS: ALL

00-02	30.4	22.2	14.6	32.8		47.4		540
03-05	31.9	24.2	14.0	30.0		44.0		744
06-08	20.4	23.3	22.7	33.2	.3	56.3	.1	1438
09-11	16.9	26.4	20.6	35.7	.4	56.7	.1	1483
12-14	11.8	25.6	25.0	37.4	.1	62.6	.2	1443
15-17	10.6	22.7	26.5	40.1	.1	66.7	.2	1101
18-20	14.6	19.4	23.8	42.2		66.0		720
21-23	25.0	21.1	23.1	30.7		53.9		540
ALL HOURS	18.4	23.7	22.0	35.7	.2	57.9	.1	8009

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
					TOTAL OBSCURATION				
00-02	35.0	28.7	15.8	20.4			36.3		651
03-05	30.0	30.8	17.4	21.8			39.2		873
06-08	23.6	28.4	20.6	27.4			48.0	.2	1528
09-11	21.1	28.5	22.3	28.1			50.5		1524
12-14	14.7	31.4	25.1	28.8			53.9	.1	1461
15-17	11.4	28.3	29.2	31.0			60.2	.2	1101
18-20	13.5	27.1	24.5	34.9			59.4		837
21-23	23.8	27.3	23.8	25.0			48.8		651
ALL HOURS	20.6	29.0	22.7	27.7			50.4	.1	8626

MONTH: JUN HOURS: ALL

00-02	48.1	21.4	12.7	17.8			30.5		630
03-05	43.6	26.1	13.2	17.0			30.2		853
06-08	34.4	31.4	17.7	16.5			34.2		1500
09-11	35.0	32.1	15.4	17.5			32.9		1505
12-14	27.7	34.2	19.4	18.6			38.1		1437
15-17	23.3	31.8	21.1	23.8			44.9		1067
18-20	25.8	28.6	20.5	25.1			45.6		810
21-23	35.6	23.5	20.3	20.6			41.0		630
ALL HOURS	33.2	29.9	17.6	19.2			36.9		8432

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	54.1	26.1	12.0	7.8		19.8		651
03-05	47.9	29.8	14.1	8.2		22.4		850
06-08	35.9	32.4	21.5	10.2		31.7		1468
09-11	39.8	34.1	18.1	7.9		26.0		1486
12-14	32.0	39.6	22.6	5.8		28.4		1412
15-17	24.4	39.9	26.4	9.3		35.8	.1	1074
18-20	28.3	30.7	26.8	14.2		41.0		837
21-23	38.2	33.2	20.6	8.0		28.6		651
ALL HOURS	36.5	34.0	20.7	8.8		29.5	.0	8429

MONTH: AUG HOURS: ALL

00-02	50.7	24.9	15.5	8.9		24.4		651
03-05	50.5	28.1	13.6	7.8		21.4		850
06-08	35.8	37.6	18.5	8.1		26.5		1477
09-11	38.4	35.9	18.3	7.4		25.8		1495
12-14	27.5	44.3	20.0	8.1		28.2		1428
15-17	21.8	40.0	26.0	12.2		38.2	.1	1076
18-20	25.3	30.7	27.0	16.9		44.0		810
21-23	41.3	27.0	20.1	11.5		31.6		651
ALL HOURS	35.1	35.3	19.9	9.6		29.5	.0	8438

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	62.1	16.8	14.3	6.8		21.1		630
03-05	60.1	19.0	10.9	10.0		20.9		814
06-08	46.1	25.6	17.7	10.6		28.3	.6	1392
09-11	43.3	28.6	16.7	11.3		28.0	.5	1394
12-14	37.4	33.3	18.3	11.0		29.3	.3	1334
15-17	34.4	30.7	21.8	13.1		34.9		1013
18-20	39.2	24.9	19.4	16.5		35.9		780
21-23	52.9	24.0	14.3	8.9		23.2		630
ALL HOURS	45.2	26.5	17.1	11.2		28.3	.2	7987

MONTH: OCT HOURS: ALL

00-02	58.7	18.6	10.4	12.3		22.7		651
03-05	56.7	17.6	10.4	15.1	.1	25.6		823
06-08	39.7	24.7	18.1	17.2	.3	35.6	.4	1451
09-11	38.3	25.0	17.8	18.8	.1	36.8	.1	1450
12-14	32.1	27.9	18.6	21.4		40.0	.1	1394
15-17	31.2	26.2	20.1	22.5		42.6		1076
18-20	42.7	19.2	20.0	18.1		38.1		813
21-23	54.7	18.7	11.4	15.2		26.5		651
ALL HOURS	41.7	23.3	16.7	18.2	.1	35.0	.1	8309

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	35.1	21.0	12.1	31.7	.2	44.0		630
03-05	37.2	17.6	13.4	31.3	.4	45.1		709
06-08	27.2	20.8	19.7	31.9	.5	52.1	.3	1325
09-11	18.8	22.5	22.9	35.3	.5	58.8	.9	1358
12-14	16.1	26.1	24.0	33.5	.3	57.8	.6	1333
15-17	15.6	23.8	23.9	36.5	.1	60.6	.3	1065
18-20	23.6	19.2	19.3	38.0		57.3		777
21-23	31.0	19.2	13.7	36.0	.2	49.8		630
ALL HOURS	23.7	21.8	19.9	34.3	.3	54.4	.3	7827

MONTH: DEC HOURS: ALL

00-02	30.6	16.4	14.7	36.9	1.4	53.0		651
03-05	30.1	16.9	14.3	37.6	1.2	53.1		735
06-08	20.4	20.5	17.8	39.2	2.1	59.1	2.9	1304
09-11	11.9	21.2	20.3	44.4	2.2	66.9	2.8	1340
12-14	13.3	18.8	22.8	43.3	1.7	67.8	1.3	1327
15-17	13.9	19.3	20.7	45.2	.9	66.8	.5	1105
18-20	24.2	17.5	15.9	42.1	.4	58.3		744
21-23	29.6	15.4	15.2	39.0	.8	55.0		651
ALL HOURS	19.7	18.8	18.5	41.5	1.5	61.5	1.2	7857

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL HOURS: ALL

HOURS (LST)	CLEAR	SPOTTED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	42.6	21.6	14.1	21.5	.2	35.8		7518
03-05	41.2	22.5	14.2	21.9	.2	36.3		9330
06-08	29.2	25.8	19.5	24.9	.6	45.0	.9	17099
09-11	26.1	26.5	20.0	26.7	.7	47.4	.9	17383
12-14	21.1	29.0	22.4	27.1	.5	49.9	.7	16638
15-17	18.9	26.8	24.0	29.9	.3	54.2	.4	13142
18-20	25.5	23.3	21.4	29.8	.1	51.3		9294
21-23	35.7	22.4	17.9	23.8	.1	41.8		7517
ALL HOURS	28.2	25.5	19.8	26.1	.4	46.3	.5	98121

0 - 3 - 7



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-18). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).  
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105						.2	.9						.1
GE 100						2.5	13.6	4.0	.2				1.7
GE 95				.1	.1	12.5	48.3	30.9	3.6				8.1
GE 90				.1	3.8	31.7	80.6	68.8	16.4				17.1
GE 85				1.0	15.0	50.0	94.5	85.5	39.2	2.4			24.3
GE 80			.2	4.5	32.0	66.8	99.0	94.0	59.7	12.2			31.0
GE 75			1.2	14.7	51.7	79.3	99.7	97.7	73.4	27.2	.2		37.3
GE 70		.1	4.9	26.8	67.7	88.3	100.0	99.3	84.5	46.5	1.9		43.5
GE 65	.1	1.6	13.3	42.2	77.0	94.9		99.8	92.7	63.4	7.6		49.5
GE 60	1.2	6.7	25.1	59.4	87.8	97.5		100.0	96.3	78.2	20.9	.3	56.1
GE 55	4.7	17.0	40.0	75.3	94.8	99.7			99.4	88.2	37.6	2.6	63.2
GE 50	11.9	30.9	57.6	86.9	97.5	99.9			99.8	94.3	52.4	10.8	70.0
GE 45	24.5	48.8	74.0	94.8	99.5	100.0			100.0	97.9	68.0	26.3	77.6
GE 40	41.7	67.6	87.1	98.1	100.0					99.7	83.6	48.5	85.3
GE 35	60.5	83.0	95.6	99.8						99.8	94.8	69.6	91.7
GE 33	68.0	87.4	97.4	100.0						99.8	96.4	75.5	93.5
GE 30	79.9	93.2	99.2							99.9	98.5	84.0	96.1
GE 25	91.7	97.8	99.8							100.0	99.6	94.9	98.6
GE 20	96.7	99.3	100.0								100.0	98.6	99.5
GE 15	99.1	100.0										99.4	99.9
GE 10	99.7											99.8	100.0
GE 5	100.0											100.0	100.0
.....													
MEAN	37.5	44.3	52.0	62.1	73.3	83.2	93.8	90.9	80.2	67.4	50.2	38.7	64.5
SD	9.87	9.96	10.53	10.87	10.70	10.34	5.42	6.32	9.76	10.29	10.22	8.73	21.55
.....													
TOTAL OBS	952	825	889	862	847	870	894	918	862	891	850	881	10541
.....													

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							.1						.0
GE 75						.1	.2	.8					.3
GE 70						1.8	13.6	6.7	.2				1.9
GE 65					.4	7.7	38.3	30.8	3.2	.1			6.8
GE 60					3.0	23.4	70.5	59.0	11.1	.9	.1		14.2
GE 55			.1	1.3	13.0	47.5	91.5	80.3	24.6	3.5	.1		22.0
GE 50		.2	.4	5.3	30.5	71.5	98.3	92.6	45.6	8.2	.6	.1	29.6
GE 45	.6	.9	2.0	14.5	55.5	89.0	99.8	98.1	67.7	19.6	4.6	.6	37.7
GE 40	2.1	3.2	7.9	32.6	78.9	96.8	99.9	99.7	85.3	39.2	9.5	2.3	46.3
GE 35	6.7	11.3	19.8	57.0	92.0	99.3	99.9	100.0	94.4	63.2	19.4	5.9	55.5
GE 33	9.7	16.4	28.3	67.3	94.7	99.7	99.9		96.5	73.6	25.9	9.0	59.9
GE 30	15.2	29.5	46.9	82.1	97.5	100.0	99.9		98.7	86.8	40.9	16.0	67.5
GE 25	30.3	52.9	69.8	94.5	99.6		100.0		100.0	97.0	61.4	31.6	77.8
GE 20	44.6	72.0	85.2	99.1	100.0					99.9	79.4	49.9	85.6
GE 15	55.0	84.6	95.1	99.8						100.0	91.8	69.7	91.1
GE 10	69.5	90.3	98.6	100.0							97.9	84.9	94.9
GE 5	80.8	94.2	99.3								98.6	93.9	97.1
GE 0	90.4	97.3	99.9								99.2	97.4	98.6
GE -5	96.2	98.8	99.9								99.5	99.1	99.4
GE -10	98.4	99.5	100.0								100.0	99.3	99.8
GE -15	99.8	99.6										99.8	99.9
GE -20	100.0	99.8										100.0	100.0
GE -25		99.8											100.0
GE -30		100.0											100.0
MEAN	16.5	23.6	28.2	36.3	45.5	53.7	62.6	60.3	48.5	37.8	27.1	19.4	38.3
SD	12.58	10.30	8.16	7.50	7.75	7.54	6.09	6.88	8.69	7.90	9.56	10.06	17.61
TOTAL OBS	952	843	911	865	847	869	891	916	862	891	849	880	10576

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-46U1,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.4						.0
GE 85						1.0	8.2	2.1					1.0
GE 80					.1	7.6	41.4	27.5	.7				6.6
GE 75					1.8	26.6	81.6	65.9	11.6	.1			15.9
GE 70				.3	12.0	48.9	96.7	87.1	29.5	1.2	.1		23.3
GE 65			.1	3.7	30.3	69.9	99.4	95.7	53.6	6.3	.1		30.2
GE 60			.6	11.4	54.7	85.3	99.9	98.7	73.1	20.0	.2		37.1
GE 55			3.8	25.6	73.0	94.9	100.0	99.7	87.4	42.9	3.5	.1	44.3
GE 50	.8	3.6	14.5	48.7	87.5	99.3		100.0	95.9	66.2	10.2	.9	52.3
GE 45	4.6	11.4	31.3	73.1	94.8	100.0			98.8	85.2	26.7	3.5	60.7
GE 40	13.1	29.2	54.3	88.7	98.9				100.0	95.6	50.8	12.4	70.1
GE 35	26.2	51.4	75.6	97.4	100.0					99.1	66.8	27.9	78.5
GE 33	33.1	60.5	81.8	98.4						99.6	74.8	36.2	81.8
GE 30	42.0	72.5	89.7	99.7						99.8	85.7	49.7	86.3
GE 25	58.7	86.2	96.7	100.0						100.0	96.1	72.0	92.3
GE 20	76.0	92.0	99.3								98.1	88.0	96.0
GE 15	88.1	97.0	99.9								98.9	96.3	98.3
GE 10	95.9	98.8	100.0								99.8	98.6	99.4
GE 5	98.4	99.4									100.0	99.2	99.7
GE 0	99.6	99.8										99.4	99.9
GE -5	100.0	100.0										100.0	100.0
MEAN	27.1	34.1	40.3	49.5	59.7	68.7	78.4	75.8	64.6	52.9	38.9	29.4	51.6
SD	10.53	9.37	8.31	8.02	8.39	8.07	4.65	5.56	8.18	7.73	8.87	8.80	19.11
TOTAL OBS	951	825	889	862	847	869	891	916	862	891	879	881	10533

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						97*	105	99	95	87	66	50	105*
44	43	52	62	71	85	97	100	97	95	82	64	53	100
45	60	63	67	81	85	95	106	96	97	83	73	52*	106*
46	50												50*
49												54*	54*
50	63	70				99	108	99	101	87	66	51	108*
51	55	69	70	78	97	93	102	100	92	81	64	52	102
52	48	54	63	81	85	95	102	103	95	87	61	55	103
53	66	65	74	83	79	98	105	99	96	87	70	49	105
54	57	63	68	82	94	107	106	104	96	85	67	51	107
55	42	46	69	76	86	99	103	102	100	83	66	60	103
56	58	58	80	79	92	102	101	97	96	84	67	54	102
57	55	60	65	73	84	99	101	100	94	85	55	55	101
58	52	68	60	77	94	101	101	101	96	84	74	55	101
59	60	55	66	87	90	100	102	99	95	80	65	51	102
60	48	58	76	82	93	95	104	101	92	86	68	59	104
61	54	65	69	78	88	101	100	98	91	82	57	53	101
62	57	62	71	85	88	99	99	100	93	85	66	54	100
63	54	64	71	79	86	93	100	100	94	89	67	43	100
64	45	55	75	79	90	95	100	98	90	85	65	61	100
65	59	64	72	82	85	94	98	99	88	87	72	49	99
66	54	56	76	80	92	99	101	99	94	80	65	56	101
67	49	61	70	71	92	93	101	99	93	81	73	45	101
68	49	61	77	80	89	100	101	97	92	77	55	55	101
69	57	55	77	81	92	93	100	100*	93*	78*	67*	48*	100*
70	62*	.	.	.	.	.	.	.	.	.	.	.	62*
71	50*	52*	80*	74*	82*	97*	97*	94*	88*	76*	65*	43*	97*
72	51*	68*	70*	74*	92*	104*	101*	104*	89*	76*	60*	52*	104*
73	44*	55*	57*	76*	87*	94*	104*	100*	89*	82*	78*	53*	104*
74	58*	59*	65*	80*	84*	101*	98*	93*	89*	21*	58*	52*	101*
75	42*	59*	63*	66*	84*	90*	98*	98*	84*	80*	64*	56*	98*

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	55*	64*	68*	72*	89*	100*							100*
84							100*	96*				48*	100*
85	35*	52*	61*	95*	90*	97*	104*	99*	86*	74*	70*	52*	104*
86	46*	69*	75*	83*	88*	98*	101*	100*	88*	77*	64*	48*	101*
87	53*	57*	67*	85*				101*	97*	84*	64*	63*	101*
88	41*	64*	72*	83*	92*	101*	104*	101*	97*	88*	75*	58*	104*
89	50*	60*	78*	87*	90*	102*	109*	103*	96*	88*	69*	55*	109*
90	63*	60*	73*	78*									78*
.....													
GREATEST	66	70	80	95	97	107	109	104	101	89	78	63	109
.....													
TOTAL OBS	952	825	889	862	847	870	894	918	862	891	850	881	10541

THE GREATEST VALUE OF 109 OCCURRED ON 07/19/89

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						42*	50	39	40	27	16	6	6*
44	-15	-3	5	26	30	42	49	44	33	29	13	4	-15
45	5	12	5	14	32	37	47	47	27	20	14	0*	0*
46	3												3*
49												-1*	-1*
50	-5	-2				33	46	47	34	28	6	23	-5*
51	-3	-3	13	18	30	34	49	49	38	22	8	2	-3
52	-5	13	-6	26	35	42	46	50	37	25	-8	3	-8
53	19	7	18	16	25	37	53	49	42	27	10	3	3
54	3	15	10	27	26	31	41	46	30	25	16	3	3
55	-11	-7	12	22	29	41	49	52	35	27	-2	11	-11
56	-4	-11	15	22	32	45	54	49	29	26	5	-3	-11
57	-10	10	19	30	37	43	54	57	33	23	11	9	-10
58	9	20	12	27	28	44	52	55	28	20	-4	12	-4
59	-2	2	16	21	29	38	47	50	31	29	9	4	-2
60	-14	2	12	21	33	41	58	42	41	17	15	10	-14
61	1	11	19	24	25	44	56	58	31	26	1	-1	-1
62	-15	-6	15	26	35	36	50	40	36	32	15	-5	-15
63	-16	8	1	18	37	39	54	54	45	29	18	-5	-16
64	-2	9	3	26	28	44	54	39	33	25	15	4	-2
65	10	13	6	31	26	44	56	43	27	30	16	0	0
66	1	5	1	17	34	40	54	47	42	22	11	-1	-1
67	4	11	16	25	27	42	58	55	32	24	16	0	0
68	1	18	20	24	24	33	27	39	28	24	14	-10	-10
69	5	7	16	27	38	41	46	52*	40*	24*	15*	8*	5*
70	-1*	17*	16*	13*	*	*	*	*	*	*	*	*	-1*
71	-14*	22*	8*	22*	32*	40*	54*	47*	27*	24*	10*	6*	-14*
72	1*	2*	9*	27*	21*	47*	50*	43*	30*	23*	18*	-15*	-15*
73	-6*	3*	24*	29*	32*	35*	51*	47*	35*	24*	13*	23*	-6*
74	0*	15*	16*	22*	33*	40*	52*	41*	31*	26*	20*	10*	0*
75	-3*	5*	12*	17*	29*	37*	51*	40*	34*	21*	15*	1*	-3*

E - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004  
LST TO UTC: +07 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	12*	15*	13*	24*	38*	31*							12*
84							53*	57*				0*	0*
85	-12*	-16*	10*	24*	29*	40*	54*	43*	30*	29*	5*	-1*	-16*
86	0*	14*	28*	27*	32*	44*	55*	54*	30*	27*	13*	2*	0*
87	-7*	20*	14*	23*				47*	30*	25*	15*	-2*	-7*
88	-16*	-4*	17*	22*	21*	42*	49*	48*	29*	30*	15*	-17*	-17*
89	-9*	-27*	23*	28*	39*	37*	54*	47*	30*	22*	13*	7*	-27*
90	-6*	4*	17*	22*									-6*

LEAST	-16	-27	-6	13	21	31	27	39	27	17	-8	-17	-27
TOTAL OBS	952	843	911	865	847	869	891	916	862	891	849	880	10576

THE LEAST VALUE OF -27 OCCURRED ON 02/08/89

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
43						70*	78	78	68	55	39	29	59*
44	14	28	36	45	59	63	75	73	63	54	37	29	48
45	32	36	38	45	60	61	78	76	61	54	38	34*	51*
46	27												27*
49												27*	27*
50	26	37				68	76	74	63	58	41	34	53*
51	29	36	38	51	60	66	78	76	66	51	37	27	51
52	26	32	34	51	62	69	77	79	68	56	32	32	52
53	40	36	43	47	53	69	80	77	69	53	44	27	53
54	33	37	39	54	64	68	80	75	67	52	43	28	53
55	18	24	38	48	58	68	77	78	66	54	37	35	50
56	34	24	42	50	62	72	78	75	68	53	34	29	52
57	24	40	44	50	58	69	79	78	65	52	34	33	52
58	29	42	39	48	65	73	77	79	66	54	36	40	54
59	34	35	41	52	57	74	79	75	63	53	37	27	52
60	22	31	44	51	60	73	81	74	69	53	41	29	52
61	26	33	41	49	60	75	80	78	61	50	34	31	52
62	22	33	38	54	60	69	77	75	68	56	42	28	52
63	21	40	40	45	63	64	79	78	69	59	40	24	52
64	25	30	36	48	58	66	80	75	63	54	38	34	51
65	34	35	37	52	56	67	78	74	60	55	46	28	52
66	29	32	42	50	65	71	81	76	68	50	43	27	53
67	28	37	44	46	57	64	79	79	67	54	44	26	52
68	27	40	44	45	57	69	78	70	62	52	40	26	51
69	34	34	38	50	65	66	78	79*	68*	47*	38*	32*	53*
70	34*	*	*	*	*	*	*	*	*	*	*	*	34*
71	29*	35*	42*	50*	58*	68*	77*	76*	58*	48*	38*	27*	51*
72	31*	36*	43*	48*	57*	72*	77*	74*	62*	52*	38*	19*	52*
73	20*	33*	37*	49*	62*	69*	77*	77*	62*	49*	43*	36*	52*
74	29*	34*	46*	50*	60*	74*	79*	70*	61*	48*	40*	33*	53*
75	23*	34*	37*	41*	51*	62*	77*	71*	61*	50*	37*	34*	49*

E - 4 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: +07

PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	31*	37*	38*	49*	64*	68*							48*
84							77*	75*				26*	59*
85	19*	27*	38*	56*	62*	70*	80*	76*	61*	49*	33*	24*	50*
86	24*	42*	46*	51*	57*	74*	75*	79*	59*	51*	40*	24*	52*
87	21*	37*	43*	55*				74*	64*	53*	39*	29*	46*
88	17*	32*	39*	53*	60*	73*	79*	76*	60*	57*	42*	25*	52*
89	20*	24*	48*	54*	60*	68*	82*	76*	64*	51*	35*	30*	52*
90	32*	30*	44*	53*									40*
MEAN	27.1	34.1	40.3	49.5	59.7	68.7	78.4	75.8	64.6	52.9	38.9	29.4	51.6
TOTAL OBS	951	825	889	862	847	869	891	916	862	891	849	881	10533

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	21.5	11.156	651	17	555	0	0	0	651
03-05	20.5	12.069	734	27	620	0	0	0	734
06-08	19.0	12.946	1435	98	1222	0	0	0	1435
09-11	24.8	11.469	1473	31	1115	0	0	0	1473
12-14	33.0	9.729	1459	1	737	0	0	0	1459
15-17	35.2	9.581	1178	0	494	0	0	0	1178
18-20	28.5	9.411	744	6	503	0	0	0	744
21-23	24.0	10.833	651	14	526	0	0	0	651
ALL HOURS	26.3	12.468	8325	194	5772	0	0	0	8325

MONTH: FEB

00-02	29.5	9.145	591	0	384	0	0	0	591
03-05	27.8	9.160	652	2	470	0	0	0	652
06-08	26.1	10.581	1315	25	996	0	0	0	1315
09-11	33.3	9.746	1353	6	596	0	0	0	1353
12-14	40.9	9.751	1336	0	252	3	0	0	1336
15-17	43.3	10.080	1079	0	162	6	0	0	1079
18-20	38.5	8.566	678	0	165	0	0	0	678
21-23	32.4	8.523	591	0	293	0	0	0	591
ALL HOURS	34.4	11.487	7595	33	3318	9	0	0	7595

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	32.8	8.787	591	0	273	0	0	0	591
03-05	30.6	8.904	693	0	401	0	0	0	693
06-08	31.5	8.915	1466	0	803	0	0	0	1466
09-11	41.6	9.591	1518	0	259	12	0	0	1518
12-14	48.5	10.191	1468	0	76	110	0	0	1468
15-17	50.9	10.914	1206	0	40	169	0	0	1206
18-20	45.5	10.525	744	0	79	35	0	0	744
21-23	37.4	9.209	590	0	189	0	0	0	590
ALL HOURS	40.9	12.270	8276	0	2120	326	0	0	8276

MONTH: APR

00-02	43.9	8.687	540	0	46	6	0	0	540
03-05	39.9	8.333	744	0	142	0	0	0	744
06-08	41.0	8.660	1438	0	245	4	0	0	1438
09-11	52.2	10.320	1483	0	18	201	5	0	1483
12-14	58.1	11.447	1439	0	9	430	40	0	1439
15-17	59.5	11.643	1101	0	1	398	41	0	1101
18-20	54.4	10.924	720	0	4	151	4	0	720
21-23	48.3	9.097	540	0	18	33	0	0	540
ALL HOURS	50.5	12.546	8005	0	483	1223	90	0	8005

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OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF LE 32	HOURS WITH GE 65	TEMPERATURES GE 80	DEG F GE 93	TOTAL HOURS
00-02	53.7	9.019	651	0	7	83	0	0	651
03-05	48.8	8.449	873	0	27	19	0	0	873
06-08	52.3	9.609	1528	0	30	160	0	0	1528
09-11	64.2	10.859	1524	0	1	798	99	0	1524
12-14	70.1	11.619	1460	0	1	1025	351	1	1460
15-17	71.9	11.710	1101	0	0	812	325	3	1101
18-20	66.9	11.640	837	0	0	513	123	0	837
21-23	59.5	9.873	651	0	1	222	3	0	651
ALL HOURS	61.6	13.314	8625	0	67	3632	901	4	8625

MONTH: JUN

00-02	62.9	8.384	630	0	0	271	16	0	630
03-05	56.9	7.984	853	0	2	138	1	0	853
06-08	61.2	9.008	1497	0	0	519	31	0	1497
09-11	73.4	10.127	1505	0	0	1198	473	23	1505
12-14	79.3	11.053	1435	0	0	1284	758	175	1435
15-17	80.5	11.295	1067	0	0	949	616	157	1067
18-20	77.2	11.360	810	0	0	677	372	57	810
21-23	68.9	9.204	630	0	0	424	76	0	630
ALL HOURS	70.7	13.058	8427	0	2	5460	2343	412	8427

E - 5 - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	73.1	5.461	651	0	0	610	82	0	651
03-05	66.7	6.213	850	0	0	515	10	0	850
06-08	69.9	6.992	1468	0	0	1136	119	0	1468
09-11	83.2	6.195	1486	0	0	1479	1118	65	1486
12-14	90.0	5.978	1411	0	0	1406	1337	508	1411
15-17	92.2	6.142	1074	0	0	1073	1032	610	1074
18-20	88.4	6.307	837	0	0	836	766	234	837
21-23	79.0	5.501	651	0	0	646	330	0	651
ALL HOURS	80.9	11.010	8428	0	0	7701	4794	1417	8428

MONTH: AUG

00-02	69.5	7.363	651	0	0	509	29	0	651
03-05	63.9	7.448	850	0	0	446	0	0	850
06-08	65.3	8.158	1476	0	0	848	25	0	1476
09-11	79.6	7.506	1494	0	0	1425	850	18	1494
12-14	87.1	7.290	1428	0	0	1406	1246	327	1428
15-17	88.7	7.779	1074	0	0	1063	941	395	1074
18-20	83.4	8.461	810	0	0	791	585	88	810
21-23	74.7	7.522	651	0	0	581	176	0	651
ALL HOURS	77.2	12.096	8434	0	0	7069	3852	828	8434

E - 5 - 1 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	58.3	8.729	630	0	1	161	1	0	630
03-05	53.2	8.924	814	0	13	85	0	0	814
06-03	52.7	9.588	1391	0	24	162	0	0	1391
09-11	67.6	9.831	1393	0	0	880	147	0	1393
12-14	75.4	10.262	1333	0	0	1115	554	10	1333
15-17	78.2	9.947	1013	0	0	904	557	18	1013
18-20	72.4	9.605	780	0	0	627	192	0	780
21-23	63.3	8.696	630	0	0	310	10	0	630
ALL HOURS	65.6	13.510	7964	0	38	4244	1461	28	7964

MONTH: OCT

00-02	46.2	8.670	651	0	26	19	0	0	651
03-05	42.5	9.088	822	0	97	9	0	0	822
06-08	40.9	9.388	1451	0	276	12	0	0	1451
09-11	54.4	9.974	1450	0	12	249	5	0	1450
12-14	62.7	10.612	1394	0	3	655	70	0	1394
15-17	65.1	10.884	1075	0	0	608	92	0	1075
18-20	57.8	9.868	813	0	1	212	4	0	813
21-23	50.6	8.415	651	0	7	51	0	0	651
ALL HOURS	53.0	13.213	8307	0	422	1815	171	0	8307

E - 5 - 1 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATION

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	35.4	8.931	630	0	247	0	0	0	630
03-05	33.3	9.389	709	0	342	0	0	0	709
06-08	31.6	9.878	1322	0	755	0	0	0	1322
09-11	40.3	9.831	1357	0	310	9	0	0	1357
12-14	48.2	10.036	1333	0	78	63	0	0	1333
15-17	49.5	9.935	1064	0	41	62	0	0	1064
18-20	42.3	8.882	777	0	118	0	0	0	777
21-23	37.7	8.831	630	0	185	0	0	0	630
ALL HOURS	40.4	11.595	7822	0	2076	134	0	0	7822

MONTH: DEC

00-02	24.7	10.036	651	5	522	0	0	0	651
03-05	23.3	10.286	735	7	618	0	0	0	735
06-08	22.1	10.768	1300	25	1102	0	0	0	1300
09-11	27.7	9.648	1340	4	938	0	0	0	1340
12-14	35.0	8.948	1326	0	517	0	0	0	1326
15-17	35.4	8.602	1105	0	422	0	0	0	1105
18-20	29.2	8.468	744	1	490	0	0	0	744
21-23	26.2	9.436	651	4	509	0	0	0	651
ALL HOURS	28.4	10.805	7852	46	5118	0	0	0	7852

E - 5 - 1 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 95	
00-02	46.2	19.142	7518	22	2061	1659	128	0	7518
03-05	43.4	17.489	9329	36	2732	1212	11	0	9329
06-08	43.3	19.179	17087	148	5453	2841	175	0	17087
09-11	54.0	21.618	17376	41	3249	6251	2697	106	17376
12-14	60.9	21.443	16822	1	1673	7497	4356	1021	16822
15-17	62.1	21.629	13137	0	1160	6044	3604	1183	13137
18-20	57.9	22.063	9294	7	1360	3842	2046	379	9294
21-23	50.4	20.354	7517	18	1728	2267	595	0	7517
ALL HOURS	52.9	21.831	98080	273	19416	31613	13612	2689	98080

E - 5 - 1 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	19.8	10.177	651	591	0	0	0	0	651
03-05	19.0	11.034	734	655	0	0	0	0	734
06-08	17.5	11.820	1433	1288	0	0	0	0	1433
09-11	22.4	10.154	1472	1248	0	0	0	0	1472
12-14	28.6	8.098	1458	1002	0	0	0	0	1458
15-17	30.3	7.761	1177	735	1	0	0	0	1177
18-20	25.5	8.224	744	619	0	0	0	0	744
21-23	21.8	9.795	651	574	0	0	0	0	651
ALL HOURS	23.5	10.783	8320	6712	1	0	0	0	8320

MONTH: FEB

00-02	26.8	7.959	591	454	0	0	0	0	591
03-05	25.5	8.224	652	528	0	0	0	0	652
06-08	24.1	9.586	1313	1102	0	0	0	0	1313
09-11	29.6	8.247	1345	848	1	0	0	0	1345
12-14	34.6	7.549	1333	499	17	0	0	0	1333
15-17	36.0	7.466	1078	338	27	0	0	0	1078
18-20	33.2	6.936	678	319	0	0	0	0	678
21-23	28.8	7.313	591	411	0	0	0	0	591
ALL HOURS	30.1	9.119	7581	4499	45	0	0	0	7581

E - 5 - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DLT F	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	28.6	7.211	591	399	0	0	0	0	0	0	591
03-05	27.2	7.436	693	514	0	0	0	0	0	0	693
06-08	28.4	7.434	1466	1022	0	0	0	0	0	0	1466
09-11	35.0	6.778	1517	567	11	0	0	0	0	0	1517
12-14	38.6	6.411	1466	270	54	0	0	0	0	0	1466
15-17	39.6	6.500	1205	204	73	0	0	0	0	0	1205
18-20	36.4	6.440	744	226	4	0	0	0	0	0	744
21-23	31.5	6.769	590	314	0	0	0	0	0	0	590
ALL HOURS	33.9	8.222	8272	3516	142	0	0	0	0	0	8272

MONTH: APR

00-02	37.0	5.847	540	133	6	0	0	0	0	0	540
03-05	34.6	6.234	744	279	2	0	0	0	0	0	744
06-08	35.5	6.340	1438	464	10	0	0	0	0	0	1438
09-11	41.7	6.170	1482	116	152	0	0	0	0	0	1482
12-14	44.2	6.097	1438	38	306	0	0	0	0	0	1438
15-17	44.6	5.859	1101	8	244	0	0	0	0	0	1101
18-20	42.0	5.554	720	23	73	0	0	0	0	0	720
21-23	39.2	5.660	540	70	13	0	0	0	0	0	540
ALL HOURS	40.3	7.043	8003	1131	806	0	0	0	0	0	8003

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OPERATING LOCATION "A"  
USAFETA, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 32	NUMBER OF HOURS WITH GE 50	TEMPERATURES DEG F GE 67	GE 73	GE 80	TOTAL HOURS
00-02	43.8	5.402	651	20	84	0	0	0	651
03-05	41.3	5.682	873	78	37	0	0	0	873
06-08	43.5	6.117	1527	84	242	0	0	0	1527
09-11	49.3	5.791	1524	14	817	1	0	0	1524
12-14	51.3	5.835	1459	6	986	3	0	0	1459
15-17	51.7	5.516	1101	1	768	4	0	0	1101
18-20	49.6	5.547	837	4	472	2	0	0	837
21-23	46.6	5.441	651	11	217	0	0	0	651
ALL HOURS	47.5	6.823	8623	218	3623	10	0	0	8623

MONTH: JUN

00-02	50.7	4.793	630	0	374	0	0	0	630
03-05	47.5	5.513	853	6	308	0	0	0	853
06-08	49.6	5.543	1495	6	786	0	0	0	1495
09-11	55.1	4.934	1504	0	1293	2	0	0	1504
12-14	56.9	4.857	1434	0	1322	13	0	0	1434
15-17	57.2	4.333	1067	0	1015	11	0	0	1067
18-20	56.0	4.259	810	0	756	0	0	0	810
21-23	53.1	4.324	630	0	499	0	0	0	630
ALL HOURS	53.5	5.998	8423	12	6353	26	0	0	8423

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	55.7	4.760	651	0	584	1	0	0	651
03-05	53.0	5.673	850	0	577	0	0	0	850
06-08	55.2	5.412	1468	0	1225	2	0	0	1468
09-11	60.8	3.646	1485	0	1483	53	0	0	1485
12-14	62.5	3.142	1410	0	1410	136	1	0	1410
15-17	62.7	2.995	1074	0	1074	105	2	0	1074
18-20	61.3	2.873	837	0	837	36	0	0	837
21-23	58.1	4.242	651	0	633	6	0	0	651
ALL HOURS	59.0	5.403	8426	0	7823	339	3	0	8426

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	55.0	6.341	651	0	520	0	0	0	651
03-05	52.2	6.816	849	2	565	0	0	0	849
06-08	52.9	6.954	1474	6	1020	1	0	0	1474
09-11	59.5	4.912	1494	0	1428	51	0	0	1494
12-14	61.5	4.356	1428	0	1409	173	2	0	1428
15-17	61.8	4.172	1074	0	1058	99	3	0	1074
18-20	59.9	4.418	810	0	784	24	0	0	810
21-23	56.9	5.587	651	0	576	2	0	0	651
ALL HOURS	57.7	6.600	8431	8	7360	350	5	0	8431

E - 5 - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	47.0	6.715	630	12	235	0	0	0	630
03-05	44.3	7.359	814	53	213	0	0	0	814
06-08	44.0	7.821	1389	112	346	0	0	0	1389
09-11	52.1	6.056	1392	1	939	1	0	0	1392
12-14	55.1	5.595	1323	0	1114	4	0	0	1333
15-17	56.1	5.284	1013	0	891	6	0	0	1013
18-20	53.6	5.455	780	1	612	1	0	0	780
21-23	49.4	5.929	630	2	325	0	0	0	630
ALL HOURS	50.4	7.830	7981	181	4675	12	0	0	7981

MONTH: OCT

00-02	38.5	6.284	651	115	25	0	0	0	651
03-05	36.3	6.870	822	282	27	0	0	0	822
06-08	35.6	7.284	1450	549	48	0	0	0	1450
09-11	43.9	6.096	1450	52	286	0	0	0	1450
12-14	48.0	5.684	1392	9	612	0	0	0	1392
15-17	48.7	5.535	1074	6	535	0	0	0	1074
18-20	45.2	5.574	813	12	195	0	0	0	813
21-23	41.1	5.760	651	46	49	0	0	0	651
ALL HOURS	42.5	7.981	8303	1071	1777	0	0	0	8303

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	31.6	7.104	630	361	0	0	0	0	630
03-05	30.0	7.531	709	463	0	0	0	0	709
06-08	28.7	7.907	1316	916	2	0	0	0	1316
09-11	34.9	7.105	1353	510	15	0	0	0	1353
12-14	39.5	6.379	1332	239	55	0	0	0	1332
15-17	40.2	6.245	1064	164	47	0	0	0	1064
18-20	36.2	6.350	777	245	0	0	0	0	777
21-23	33.2	6.887	630	287	0	0	0	0	630
ALL HOURS	34.6	8.131	7811	3185	119	0	0	0	7811

MONTH: DEC

00-02	23.2	8.945	651	556	0	0	0	0	651
03-05	21.9	9.176	735	642	0	0	0	0	735
06-08	20.7	9.732	1297	1143	0	0	0	0	1297
09-11	25.3	8.399	1339	1085	1	0	0	0	1339
12-14	30.8	7.173	1326	775	3	0	0	0	1326
15-17	31.2	6.866	1104	611	1	0	0	0	1104
18-20	26.9	7.428	744	589	0	0	0	0	744
21-23	24.5	8.329	651	547	0	0	0	0	651
ALL HOURS	25.9	9.141	7847	5948	5	0	0	0	7847

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	38.3	13.871	7518	2641	1828	1	0	0		7518
03-05	36.9	13.395	9328	3502	1729	0	0	0		9328
06-08	36.7	14.513	17066	6692	3579	3	0	0		17066
09-11	42.8	14.266	17357	4441	6426	108	0	0		17357
12-14	46.1	12.777	16809	2838	7288	329	3	0		16809
15-17	46.4	12.450	13132	2067	5734	225	5	0		13132
18-20	44.4	13.281	9294	2038	3733	63	0	0		9294
21-23	40.5	13.804	7517	2262	2312	8	0	0		7517
ALL HOURS	41.8	14.116	98021	26481	32729	737	8	0		98021

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 59C110

STATION NAME: DUGWAY PROVING GROUND UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	14.6	11.439	651	582	5	651	0	651
03-05	14.0	12.040	734	645	12	734	0	734
06-08	12.5	12.585	1433	1289	13	1433	0	1433
09-11	16.1	11.020	1472	1250	25	1472	0	1472
12-14	20.0	9.354	1458	1120	38	1458	0	1458
15-17	21.4	8.852	1177	862	31	1177	0	1177
18-20	18.9	9.200	744	613	12	744	0	744
21-23	16.1	11.063	651	556	12	651	0	651
ALL HOURS	16.8	11.191	8320	6917	148	8320	0	8320

MONTH: FEB

00-02	21.0	8.858	591	432	17	591	0	1333
03-05	20.5	9.096	652	510	22	652	0	1333
06-08	19.4	10.361	1313	1040	31	1313	0	1333
09-11	22.7	9.186	1345	922	71	1345	0	1333
12-14	24.5	9.756	1333	839	110	1333	0	1333
15-17	24.8	8.799	1078	647	68	1078	0	1333
18-20	24.3	8.731	678	430	57	678	0	1333
21-23	21.8	8.755	591	426	19	591	0	1333
ALL HOURS	22.5	9.400	7581	5246	415	7581	0	7581

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OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	20.1	8.931	591	456	3	591	0	591
03-05	20.1	8.735	693	535	5	693	0	693
06-08	22.1	8.380	1466	1033	42	1466	0	1466
09-11	24.6	7.754	1517	951	80	1517	0	1517
12-14	24.3	7.739	1466	935	80	1466	0	1466
15-17	23.2	8.228	1205	833	70	1205	0	1205
18-20	22.2	8.395	744	541	20	744	0	744
21-23	21.0	8.716	590	436	9	590	0	590
ALL HOURS	22.8	8.425	8272	5720	309	8272	0	8272

MONTH: APR

00-02	26.7	8.129	540	272	59	540	0	1438
03-05	26.2	8.115	744	392	56	744	0	1438
06-08	27.3	7.707	1438	701	151	1438	0	1438
09-11	28.0	8.144	1482	701	232	1482	0	1438
12-14	26.2	8.644	1438	799	179	1438	0	1438
15-17	25.1	9.161	1101	650	118	1101	0	1438
18-20	24.9	9.307	720	422	77	720	0	1438
21-23	26.1	8.993	540	280	66	540	0	1438
ALL HOURS	26.5	8.559	8003	4217	938	8003	0	8003

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LS: TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	31.4	8.816	651	171	185	651	0	651
03-05	31.5	8.209	873	246	242	873	0	873
06-08	32.8	8.079	1527	375	498	1527	0	1527
09-11	33.1	8.487	1524	397	575	1521	0	1524
12-14	31.4	8.889	1459	456	437	1453	0	1459
15-17	30.0	9.394	1101	393	257	1097	2	1101
18-20	29.9	10.068	837	297	216	835	0	837
21-23	31.4	9.516	651	181	203	651	0	651
ALL HOURS	31.6	8.945	8623	2516	2513	8608	2	8623

MONTH: JUN

00-02	38.0	9.433	630	95	383	627	0	1434
03-05	36.8	9.815	853	141	483	648	0	1434
06-08	37.2	9.807	1495	287	875	1491	0	1434
09-11	38.0	9.053	1504	217	894	1501	0	1434
12-14	36.6	8.772	1434	228	752	1422	0	1434
15-17	35.8	9.200	1067	197	534	1059	0	1434
18-20	36.1	9.746	810	168	440	608	0	1434
21-23	37.5	9.504	630	110	390	626	0	1434
ALL HOURS	37.0	9.423	8423	1443	4756	8377	0	8423

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	39.3	10.752	651	94	414	620	0	651
03-05	39.2	11.248	850	141	521	800	0	850
06-08	41.7	10.479	1468	156	1026	1339	1	1468
09-11	42.3	9.265	1485	99	1112	1374	3	1485
12-14	40.7	9.099	1410	115	940	1338	3	1410
15-17	38.7	9.704	1074	130	632	1026	1	1074
18-20	38.4	10.677	837	117	476	781	1	837
21-23	39.4	11.311	651	97	413	606	2	651
ALL HOURS	40.4	10.288	8426	949	5534	7884	11	8426

MONTH: AUG

00-02	41.4	11.668	651	87	421	580	0	1428
03-05	40.4	11.556	849	133	539	775	0	1428
06-08	40.8	11.565	1474	221	959	1333	1	1428
09-11	42.7	10.038	1494	116	1084	1334	0	1428
12-14	41.0	9.426	1428	119	955	1330	3	1428
15-17	39.8	9.719	1074	109	670	1015	5	1428
18-20	40.0	10.450	810	91	509	751	0	1428
21-23	40.8	11.545	651	95	413	585	0	1428
ALL HOURS	41.0	10.693	8431	971	5550	7703	9	8431

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

NEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 27	NUMBER OF GE 37	HOURS WITH LE 55	TEMPERATURES DEG F GE 65	TOTAL HOURS
00-02	33.9	10.582	630	189	248	622	0	630
03-05	33.2	10.852	814	245	293	808	0	814
06-08	33.3	10.931	1389	420	518	1366	0	1389
09-11	36.4	9.926	1392	275	683	1360	1	1392
12-14	35.6	9.633	1333	280	607	1310	0	1333
15-17	35.0	9.824	1013	231	437	988	0	1013
18-20	34.7	9.981	780	195	320	759	0	780
21-23	33.9	10.202	630	179	255	618	0	630
ALL HOURS	34.7	10.304	7981	2014	3361	7831	1	7981

MONTH: OCT

00-02	27.4	8.362	651	334	109	651	0	1392
03-05	27.1	8.604	822	446	121	822	0	1392
06-08	27.5	8.738	1450	751	233	1450	0	1392
09-11	31.1	7.685	1450	474	365	1450	0	1392
12-14	31.5	7.508	1392	432	362	1392	0	1392
15-17	30.5	7.519	1074	407	250	1074	0	1392
18-20	30.0	7.401	813	311	165	813	0	1392
21-23	28.5	7.986	651	324	129	651	0	1392
ALL HOURS	29.5	8.203	8303	3479	1734	8303	0	8303

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	25.0	7.850	630	383	50	630	0	630
03-05	24.0	7.921	709	479	43	709	0	709
06-08	23.2	7.814	1316	954	65	1316	0	1316
09-11	26.8	7.111	1353	726	116	1353	0	1353
12-14	27.8	6.613	1332	670	113	1332	0	1332
15-17	27.8	6.917	1064	524	103	1064	0	1064
18-20	27.3	6.995	777	385	71	777	0	777
21-23	25.9	7.783	630	351	58	630	0	630
ALL HOURS	26.1	7.537	7811	4472	619	7811	0	7811

MONTH: DEC

00-02	19.2	9.073	651	530	10	651	0	1326
03-05	17.9	9.338	735	630	9	735	0	126
06-08	16.6	9.941	1297	1136	17	1297	0	1326
09-11	20.0	8.780	1339	1078	25	1339	0	1326
12-14	23.4	7.686	1326	939	40	1326	0	1326
15-17	24.0	7.492	1104	748	40	1104	0	1326
18-20	22.0	7.978	744	575	23	744	0	1326
21-23	20.3	8.444	651	540	17	651	0	1326
ALL HOURS	20.5	9.014	7847	6176	181	7847	0	7847

E - 5 - 3 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	28.3	12.776	7518	3625	1904	7405	0	7518
03-05	28.2	12.863	9328	4543	2346	9193	0	9328
06-08	28.1	13.388	17066	8363	4428	16769	2	17066
09-11	30.4	12.246	17357	7206	5262	17048	4	17357
12-14	30.3	10.919	16809	6932	4613	16598	6	16809
15-17	29.5	10.702	13132	5731	3235	12988	8	13132
18-20	29.4	11.371	9294	4145	2386	9149	1	9294
21-23	28.7	12.390	7517	3575	1984	7390	2	7517
ALL HOURS	29.3	12.110	98021	44120	26158	96540	23	98021

E - 5 - 3 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC  
STATION NUMBER: 690110

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS  
STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90  
LST TO UTC: + 7 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.2	97.8	93.1	84.9	65.9	34.7	10.8	73.3	651
03-05	100.0	100.0	99.0	98.0	93.5	86.8	71.3	40.2	10.4	74.6	734
06-08	100.0	100.0	99.7	98.3	94.1	85.7	68.8	42.3	12.5	74.7	1433
09-11	100.0	100.0	99.6	96.7	86.4	70.6	47.3	23.0	9.1	68.1	1472
12-14	100.0	99.9	98.4	89.5	65.3	39.9	21.7	12.6	5.8	57.9	1458
15-17	100.0	99.7	97.5	87.2	62.5	37.0	20.1	10.6	5.0	56.6	1177
18-20	100.0	100.0	99.5	96.4	86.8	65.9	39.7	17.2	5.5	65.9	744
21-23	100.0	100.0	99.5	96.3	90.2	77.6	56.7	28.6	10.0	70.5	651
ALL HOURS	100.0	100.0	99.0	94.5	82.5	65.7	46.3	25.1	8.5	66.8	8320

MONTH: FEB

00-02	100.0	100.0	99.0	95.9	88.3	77.3	54.3	27.6	8.0	69.7	591
03-05	100.0	100.0	99.1	97.7	93.6	85.4	64.1	33.3	9.2	73.0	652
06-08	100.0	99.8	99.2	97.4	93.2	84.5	70.8	43.9	18.5	75.3	1313
09-11	100.0	99.8	98.0	92.7	79.3	61.1	40.9	21.9	8.9	64.9	1345
12-14	100.0	99.0	91.2	76.6	53.0	32.3	13.2	8.8	3.7	52.8	1333
15-17	100.0	97.4	86.6	68.6	44.8	26.3	14.5	6.4	2.6	49.3	1078
18-20	100.0	99.0	96.2	82.7	63.3	42.9	24.0	11.7	4.0	56.9	678
21-23	100.0	100.0	98.1	92.2	79.9	62.6	39.6	16.9	4.6	64.1	591
ALL HOURS	100.0	99.3	95.4	87.0	72.7	57.0	39.8	21.3	7.9	62.6	7581

E - 6 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	99.8	94.9	84.6	66.7	47.5	29.9	16.4	6.4	59.3	591
03-05	100.0	99.7	98.6	92.4	76.5	58.2	41.3	23.8	9.1	64.6	693
06-08	100.0	99.8	98.4	94.7	83.4	67.5	50.0	28.5	12.7	68.3	1466
09-11	100.0	98.0	89.0	72.0	51.0	32.9	19.1	10.2	4.7	52.3	1517
12-14	99.9	91.1	69.6	45.6	27.9	15.4	8.3	4.1	1.6	40.9	1466
15-17	99.7	82.9	56.3	35.8	20.5	12.8	7.7	4.4	2.1	36.5	1205
18-20	99.7	87.8	67.2	46.9	32.3	21.2	13.7	9.1	4.3	42.8	744
21-23	100.0	97.8	87.5	71.0	51.5	35.6	20.3	11.9	4.7	52.7	590
ALL HOURS	99.9	94.2	81.6	66.4	49.8	35.3	23.2	13.1	5.6	51.5	8272

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	96.5	86.7	71.1	49.6	35.4	25.7	17.0	6.7	53.4	540
03-05	100.0	98.4	93.0	82.7	65.6	50.5	34.1	20.6	7.0	59.7	744
06-08	100.0	98.7	92.9	84.0	68.9	51.5	34.2	18.2	6.5	60.1	1438
09-11	99.7	88.7	70.4	50.7	31.8	18.6	11.8	7.2	2.7	42.6	1482
12-14	98.5	72.9	44.8	28.7	17.0	11.9	7.4	5.5	2.7	33.4	1438
15-17	95.3	64.1	39.9	25.6	17.2	11.4	7.9	5.4	1.8	31.2	1101
18-20	96.3	72.4	50.4	36.4	24.9	18.9	14.4	8.5	2.2	37.1	720
21-23	100.0	92.0	68.7	50.7	36.5	26.7	19.6	12.8	5.2	45.7	540
ALL HOURS	98.7	84.4	66.9	52.3	37.8	27.0	18.3	11.0	4.0	44.5	8003

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OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	98.9	92.0	77.6	57.1	40.9	27.2	16.7	10.6	2.5	46.7	651
03-05	100.0	96.6	88.3	71.8	55.9	40.4	26.2	14.8	5.7	54.6	873
06-08	99.9	95.8	84.7	67.7	49.2	33.3	21.2	11.6	3.8	51.2	1527
09-11	98.9	80.8	52.9	32.5	18.8	12.0	6.6	3.7	1.3	35.3	1524
12-14	95.5	61.2	32.4	18.2	11.0	6.8	3.8	1.6	.2	27.5	1459
15-17	90.7	52.8	25.4	15.4	10.3	6.3	3.4	1.9	.6	25.1	1101
18-20	92.5	64.4	37.6	24.1	15.3	10.6	6.6	3.6	.7	30.0	837
21-23	97.7	84.0	59.9	40.4	28.0	17.2	10.3	6.0	2.5	39.0	651
ALL HOURS	96.9	77.7	56.0	39.8	27.6	18.4	11.3	6.3	2.0	38.1	8623

MONTH: JUN

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	99.5	91.3	71.6	50.5	35.1	25.6	16.3	9.0	3.2	44.5	630
03-05	99.9	95.1	81.8	63.0	47.4	34.0	25.9	14.8	5.7	51.3	853
06-08	99.9	90.2	73.6	53.4	38.2	26.1	15.8	9.7	3.1	45.4	1495
09-11	98.4	73.3	44.5	26.3	14.6	7.3	4.7	2.5	.7	31.6	1504
12-14	94.9	53.2	27.2	13.2	7.4	5.1	3.0	1.7	.3	25.0	1434
15-17	89.4	48.4	24.5	14.2	9.2	6.0	3.9	2.1	.4	24.3	1067
18-20	90.1	53.7	31.2	22.6	15.1	9.9	5.6	2.5	.6	27.9	810
21-23	97.9	79.2	51.6	34.8	25.6	16.0	8.4	4.8	1.6	36.5	630
ALL HOURS	96.3	71.8	49.2	33.1	22.6	15.1	9.7	5.5	1.8	35.0	8423

E - 6 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	98.6	82.0	50.4	21.2	9.4	6.0	3.8	1.5		31.9	651
03-05	99.9	90.7	70.1	40.8	20.2	14.0	8.2	4.1	1.1	39.4	850
06-08	99.7	90.8	68.5	41.7	22.3	12.9	7.0	3.4	.9	39.1	1468
09-11	98.0	68.0	33.7	12.3	6.1	2.4	1.0	.6	.3	26.6	1485
12-14	92.1	40.7	11.7	4.7	2.1	1.1	.7	.4	.1	19.8	1410
15-17	83.7	26.4	9.9	4.7	2.6	1.5	.6	.2		17.6	1074
18-20	86.1	36.2	15.1	8.4	4.7	1.8	1.0	.1		19.9	837
21-23	95.7	66.5	32.4	15.5	9.1	4.5	2.2	.6	.5	27.1	651
ALL HOURS	94.4	62.2	36.0	18.6	9.6	5.4	3.0	1.4	.4	27.5	8426

MONTH: AUG

00-02	99.8	90.8	65.7	40.6	23.2	11.8	8.4	4.9	1.2	39.1	651
03-05	100.0	95.3	79.7	54.8	34.2	20.1	11.9	6.5	1.2	44.9	849
06-08	100.0	94.5	76.3	53.4	33.8	19.5	11.3	5.8	1.2	44.0	1474
09-11	99.0	75.2	42.1	19.7	9.6	4.1	1.7	.7	.3	29.7	1494
12-14	96.1	49.0	18.3	6.9	2.5	1.4	.6	.3	.1	21.8	1428
15-17	91.2	40.0	13.6	5.7	3.4	1.8	1.4	.5	.1	20.3	1074
18-20	94.4	52.8	26.8	13.1	7.7	4.6	2.3	1.7	.4	24.8	810
21-23	98.9	77.4	48.1	27.3	14.6	8.4	5.4	3.4	.6	32.9	651
ALL HOURS	97.4	71.0	45.0	26.7	15.6	8.6	5.0	2.7	.6	31.7	8431

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	94.0	72.4	46.8	27.8	18.6	11.4	6.5	.6	42.5	630
03-05	100.0	98.5	82.7	64.5	43.7	26.3	16.2	10.3	4.4	49.1	814
06-08	100.0	98.6	85.3	66.2	44.9	29.6	18.6	10.6	3.6	50.3	1389
09-11	99.3	83.0	55.2	31.8	17.6	11.2	6.1	3.0	1.2	35.3	1392
12-14	97.1	62.2	30.2	14.0	8.2	5.2	3.2	2.3	1.0	26.7	1333
15-17	93.6	52.7	21.0	11.4	6.7	4.5	2.5	.9	.3	23.8	1013
18-20	96.5	66.3	34.4	18.7	11.9	6.7	4.0	1.5		28.5	780
21-23	99.7	85.6	56.3	35.7	18.4	12.1	7.3	2.4	.3	36.3	630
ALL HOURS	98.2	79.4	54.1	35.8	22.4	14.3	8.7	4.8	1.6	36.4	7981

MONTH: OCT

00-02	100.0	97.8	86.9	66.5	47.8	27.3	13.7	7.7	1.4	49.5	651
03-05	100.0	98.8	92.8	76.4	59.9	43.9	23.8	13.4	4.3	55.9	822
06-08	100.0	99.4	94.6	83.6	67.5	51.2	33.8	19.7	6.8	60.2	1450
09-11	100.0	93.4	76.1	54.5	34.6	20.3	10.6	5.0	1.7	44.2	1450
12-14	99.6	80.7	53.7	29.8	15.9	8.5	5.5	3.7	1.3	34.3	1392
15-17	99.6	70.2	42.2	20.5	11.7	8.0	5.6	3.3	1.0	30.7	1074
18-20	100.0	88.7	61.4	36.3	19.8	11.7	7.9	3.8	.9	37.5	813
21-23	100.0	96.3	79.0	55.6	33.0	18.0	9.2	4.9	.6	44.2	651
ALL HOURS	99.9	90.0	72.5	52.5	36.2	24.0	14.3	8.1	2.5	44.5	8303

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.8	97.9	91.6	81.3	65.1	46.8	27.0	9.2	66.6	630
03-05	100.0	99.6	97.9	93.5	83.5	71.1	54.9	31.7	10.0	68.9	709
06-08	100.0	99.8	98.4	94.0	86.9	76.2	62.4	37.9	16.3	71.9	1316
09-11	100.0	99.3	95.5	85.6	69.4	50.8	31.9	16.0	6.6	60.1	1353
12-14	99.9	96.5	84.3	62.4	41.6	22.5	10.7	5.5	2.4	47.2	1332
15-17	100.0	95.5	80.6	56.3	35.3	19.8	10.3	4.9	1.8	45.2	1064
18-20	100.0	99.6	94.1	81.1	63.1	42.0	26.4	13.5	3.9	56.9	777
21-23	100.0	99.5	97.1	87.9	75.2	58.9	40.5	21.6	6.0	63.4	630
ALL HOURS	100.0	98.5	92.5	80.0	65.0	48.8	33.9	18.9	7.1	59.1	7811

MONTH: DEC

00-02	100.0	100.0	100.0	99.8	96.2	91.1	82.0	54.8	20.7	78.8	651
03-05	100.0	100.0	99.9	99.6	96.6	91.3	80.8	58.1	20.8	79.2	735
06-08	100.0	100.0	99.7	99.0	97.5	91.8	77.3	53.7	21.7	78.4	1297
09-11	100.0	99.9	99.6	97.9	93.1	79.5	57.9	33.4	14.6	72.2	1339
12-14	100.0	99.8	98.4	94.0	76.7	53.5	31.9	16.7	7.4	62.4	1326
15-17	100.0	99.7	98.5	94.1	78.2	56.6	33.9	16.2	6.8	63.1	1104
18-20	100.0	100.0	100.0	98.5	95.2	84.4	63.2	33.7	12.8	73.3	744
21-23	100.0	100.0	99.8	99.5	96.0	88.9	76.3	50.2	17.1	77.4	651
ALL HOURS	100.0	99.9	99.4	97.4	90.0	77.3	59.5	37.0	14.6	72.0	7847

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	7%	80%	90%	MEAN	
00-02	99.7	95.3	83.3	68.3	54.7	43.0	31.2	18.1	5.9	54.5	7518
03-05	100.0	97.6	89.6	76.5	62.4	49.9	36.6	21.7	7.1	58.7	9328
06-08	100.0	97.2	88.9	77.2	64.1	51.5	38.3	23.1	8.7	59.4	17066
09-11	99.4	88.0	70.7	55.2	42.0	30.1	19.4	10.3	4.2	46.5	17357
12-14	97.8	75.3	54.6	39.9	27.1	16.7	9.4	5.2	2.2	37.3	16809
15-17	95.4	69.6	50.3	37.2	25.6	16.3	9.5	4.8	1.9	35.6	13132
18-20	96.1	75.9	58.2	45.6	35.5	25.8	16.8	6.6	2.8	41.1	9294
21-23	99.1	89.7	73.0	58.7	46.4	35.5	24.7	13.7	4.5	49.1	7517
ALL HOURS	98.4	85.4	70.1	56.4	43.7	32.6	22.4	12.7	4.6	47.2	98021

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PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	1023.9	1020.3	1015.8	1013.2	1010.7	1010.0	1010.5	1012.0	1013.3	1017.9	1019.1	1022.8	1015.8
	SD	9.661	7.971	7.708	7.277	5.215	5.077	3.357	3.753	5.107	6.967	7.805	9.569	8.387
	TOT OBS	217	197	197	180	217	210	217	217	210	217	210	217	2506
0500	MEAN	1022.7	1019.5	1015.4	1013.0	1011.2	1010.7	1011.6	1012.2	1014.0	1017.6	1019.9	1022.1	1015.2
	SD	10.406	8.098	7.823	7.409	5.759	4.965	3.427	4.012	5.483	7.131	7.992	9.803	8.013
	TOT OBS	300	258	299	381	433	429	414	411	390	386	289	301	4291
0800	MEAN	1024.7	1021.1	1016.5	1014.3	1012.5	1011.8	1013.0	1013.7	1015.8	1019.5	1021.6	1023.8	1017.2
	SD	10.430	8.939	7.827	7.374	5.727	5.081	3.489	3.742	5.448	7.237	8.303	9.871	8.465
	TOT OBS	487	451	501	493	507	499	496	494	432	485	452	444	5771
1100	MEAN	1025.2	1021.2	1016.3	1014.1	1012.4	1011.8	1013.0	1013.6	1015.6	1019.3	1021.5	1024.2	1017.2
	SD	10.166	8.606	7.706	7.425	5.885	5.161	3.608	3.772	5.539	6.976	8.033	9.646	8.446
	TOT OBS	489	447	504	491	504	494	493	496	466	481	454	445	5764
1400	MEAN	1022.9	1019.4	1015.1	1013.0	1011.0	1010.5	1011.5	1012.0	1013.8	1017.4	1019.5	1021.9	1015.7
	SD	9.953	8.626	7.546	7.319	6.011	5.114	3.662	3.925	5.760	6.896	7.821	9.370	8.295
	TOT OBS	470	427	461	449	440	437	427	430	402	429	431	432	5235
1700	MEAN	1022.6	1019.0	1014.5	1011.7	1009.7	1008.9	1009.6	1010.4	1012.0	1016.6	1019.2	1021.8	1014.8
	SD	10.212	8.338	7.549	6.921	5.710	4.862	3.486	4.019	5.353	6.857	7.788	9.292	8.563
	TOT OBS	345	229	324	284	310	300	310	307	291	309	310	333	3711
2000	MEAN	1024.6	1020.6	1015.1	1012.4	1009.9	1008.9	1009.4	1010.9	1012.7	1018.1	1019.7	1023.2	1015.3
	SD	9.967	7.483	7.494	6.788	5.456	4.852	3.744	4.122	5.486	6.930	7.422	9.871	8.678
	TOT OBS	248	226	248	240	279	270	279	270	260	271	259	248	3098
2300	MEAN	1024.5	1020.6	1015.6	1013.3	1010.5	1009.8	1010.2	1011.6	1013.1	1018.0	1019.4	1023.6	1015.8
	SD	9.583	7.689	7.563	6.877	4.982	4.878	3.587	3.928	5.270	6.907	7.742	9.488	8.498
	TOT OBS	217	197	196	180	217	210	217	217	210	217	210	217	2505
ALL HOURS	MEAN	1023.9	1020.3	1015.6	1013.3	1011.2	1010.6	1011.4	1012.3	1014.1	1018.2	1020.2	1022.9	1016.0
	SD	10.159	8.413	7.696	7.290	5.777	5.141	3.802	4.056	5.623	7.076	7.977	9.660	8.455
	TOT OBS	2773	2491	2730	2698	2907	2849	2853	2842	2691	2795	2615	2637	32881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	30.16	30.08	29.97	29.97	29.93	29.96	29.99	30.04	30.03	30.11	30.09	30.15	30.05
	SD	.241	.211	.214	.198	.138	.137	.088	.103	.130	.191	.198	.241	.195
	TOT OBS	155	140	135	120	155	150	155	186	180	186	180	186	1928
0500	MEAN	30.12	30.07	29.97	29.96	29.95	29.97	30.04	30.05	30.05	30.10	30.10	30.10	30.04
	SD	.264	.220	.216	.205	.159	.139	.092	.106	.140	.189	.209	.262	.193
	TOT OBS	300	258	299	384	438	432	416	475	393	388	289	301	4313
0800	MEAN	30.15	30.09	30.00	29.99	29.99	30.02	30.08	30.09	30.09	30.13	30.13	30.14	30.07
	SD	.254	.227	.220	.205	.161	.146	.098	.101	.142	.191	.208	.244	.197
	TOT OBS	426	395	441	432	448	442	435	465	432	454	423	416	5209
1100	MEAN	30.18	30.12	30.01	29.99	29.99	30.00	30.08	30.09	30.09	30.14	30.14	30.16	30.08
	SD	.256	.224	.219	.208	.166	.148	.099	.105	.144	.188	.208	.249	.202
	TOT OBS	492	451	505	494	510	499	494	497	464	483	453	447	5789
1400	MEAN	30.13	30.07	29.98	29.96	29.94	29.96	30.03	30.03	30.04	30.08	30.09	30.11	30.04
	SD	.254	.226	.213	.199	.165	.141	.095	.106	.146	.186	.199	.239	.198
	TOT OBS	413	369	398	390	383	379	364	401	373	398	402	402	4672
1700	MEAN	30.11	30.05	29.95	29.91	29.90	29.91	29.97	29.98	29.99	30.07	30.08	30.09	30.00
	SD	.258	.221	.208	.193	.157	.137	.095	.113	.140	.184	.203	.250	.203
	TOT OBS	345	289	324	284	310	300	310	307	291	308	310	332	3710
2000	MEAN	30.15	30.07	29.95	29.93	29.90	29.92	29.97	30.00	30.00	30.09	30.08	30.13	30.01
	SD	.247	.199	.204	.187	.151	.135	.099	.116	.142	.186	.187	.254	.197
	TOT OBS	186	169	186	180	217	210	217	239	230	240	229	217	2520
2300	MEAN	30.15	30.09	29.97	29.96	29.92	29.94	29.99	30.02	30.02	30.11	30.09	30.14	30.04
	SD	.245	.210	.207	.192	.139	.136	.098	.110	.139	.186	.200	.248	.197
	TOT OBS	217	197	196	180	217	210	217	217	210	217	210	217	2505
ALL HOURS	MEAN	30.14	30.08	29.98	29.96	29.95	29.97	30.03	30.05	30.05	30.11	30.11	30.13	30.05
	SD	.255	.221	.215	.203	.161	.146	.105	.113	.146	.189	.204	.249	.200
	TOT OBS	2534	2268	2484	2464	2678	2622	2608	2727	2573	2674	2496	2518	30646

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	25.72	25.66	25.56	25.55	25.52	25.54	25.58	25.62	25.60	25.67	25.66	25.71	25.62
	SD	.211	.185	.187	.175	.120	.119	.076	.088	.112	.167	.172	.211	.170
	TOT OBS	155	140	135	120	155	150	155	186	180	186	180	186	1928
0500	MEAN	25.68	25.63	25.55	25.54	25.54	25.56	25.61	25.62	25.62	25.67	25.67	25.67	25.61
	SD	.232	.191	.191	.176	.138	.120	.078	.093	.127	.162	.186	.229	.169
	TOT OBS	297	261	315	388	440	429	413	419	391	371	288	301	4313
0800	MEAN	25.71	25.65	25.57	25.57	25.57	25.59	25.65	25.65	25.65	25.69	25.69	25.70	25.64
	SD	.223	.198	.194	.181	.141	.126	.084	.087	.123	.168	.183	.215	.173
	TOT OBS	426	395	441	433	447	443	436	463	432	454	423	416	5209
1100	MEAN	25.73	25.68	25.58	25.56	25.56	25.58	25.64	25.65	25.65	25.70	25.70	25.71	25.64
	SD	.225	.196	.192	.182	.145	.128	.084	.090	.125	.164	.182	.218	.177
	TOT OBS	492	451	505	494	510	499	494	497	464	483	453	447	5789
1400	MEAN	25.68	25.63	25.55	25.54	25.53	25.54	25.60	25.61	25.61	25.65	25.66	25.67	25.61
	SD	.222	.198	.187	.174	.145	.124	.082	.091	.128	.162	.175	.210	.173
	TOT OBS	413	369	398	390	383	379	364	401	373	398	402	402	4672
1700	MEAN	25.68	25.62	25.53	25.50	25.49	25.50	25.56	25.57	25.57	25.64	25.65	25.66	25.58
	SD	.226	.193	.182	.170	.139	.121	.083	.097	.122	.161	.178	.219	.177
	TOT OBS	345	289	324	281	310	300	310	307	291	308	310	332	3710
2000	MEAN	25.71	25.64	25.53	25.52	25.50	25.51	25.55	25.58	25.58	25.66	25.65	25.69	25.59
	SD	.218	.173	.179	.164	.133	.119	.085	.101	.123	.162	.162	.223	.172
	TOT OBS	186	169	186	180	217	210	217	239	230	240	229	217	2520
2300	MEAN	25.71	25.63	25.56	25.54	25.52	25.53	25.58	25.60	25.60	25.67	25.65	25.71	25.61
	SD	.215	.191	.178	.166	.118	.117	.084	.096	.127	.162	.181	.209	.172
	TOT OBS	217	197	194	180	217	210	217	217	210	217	210	219	2505
ALL HOURS	MEAN	25.70	25.65	25.56	25.54	25.53	25.55	25.61	25.62	25.62	25.67	25.67	25.69	25.62
	SD	.224	.194	.189	.177	.141	.127	.089	.097	.128	.165	.179	.218	.175
	TOT OBS	2531	2271	2498	2469	2679	2620	2606	2729	2571	2657	2495	2520	30646

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PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG GG
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.7	.2		651	3.7	.5		734	4.1	1.6		1434	3.9	1.6	.2	1471
CATEGORY B	3.7	.2		651	3.7	.5		734	4.4	1.7		1441	4.7	2.0	.2	1486

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.5	2.0	.3	1458	5.2	1.9	.3	1177	3.8	.4		744	3.4	.3		651
CATEGORY B	6.0	2.7	.3	1462	5.4	2.0	.3	1179	3.8	.4		744	3.4	.3		651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.5	1.6	.2	6284	4.3	1.3	.1	8320
CATEGORY B	5.0	1.9	.2	6312	4.6	1.5	.1	8348

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.5	.2		591	2.0	.3		652	1.8	.5		1317	3.7	.8		1351
CATEGORY B	1.5	.2		591	2.0	.3		652	2.3	.7		1330	4.3	1.5		1357

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.8	1.0		1335	7.4	1.7		1077	3.7	.6		678	1.4	.5		591
CATEGORY B	7.4	1.6		1341	7.9	2.3		1084	3.7	.6		678	1.4	.5		591

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.7	.9		5758	4.0	.8		7592
CATEGORY B	5.2	1.4		5790	4.3	1.1		7624

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.0	.3		591	2.9	.6	.1	693	4.3	.8	.1	1463	8.6	2.3	.1	1516
CATEGORY B	3.0	.3		591	2.9	.6	.1	693	4.4	1.3	.2	1469	9.1	3.1	.3	1520

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.3	3.3		1469	15.1	3.9	.1	1205	10.3	3.2	.1	744	2.5	.5		590
CATEGORY B	13.5	4.7	.3	1473	16.5	4.9	.4	1209	10.3	3.2	.1	744	2.5	.5		590

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	9.9	2.6	.1	6397	8.3	2.1	.1	8271
CATEGORY B	10.6	3.4	.3	6415	8.8	2.7	.2	8289

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.2			540	2.4	.5	.1	744	3.1	.6	.1	1438	9.6	2.4		1482
CATEGORY B	2.2			540	2.7	.7	.1	744	3.4	.8	.1	1440	11.0	3.8	.2	1485

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.8	3.8	.5	1440	13.6	4.8	.4	1101	13.1	4.3	.1	720	4.4	.4		540
CATEGORY B	15.5	6.3	.8	1443	14.9	6.1	.6	1102	13.1	4.3	.1	720	4.4	.4		540

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.0	3.0	.2	6181	8.4	2.4	.2	8005
CATEGORY B	11.2	4.2	.4	6190	9.4	3.3	.3	8014

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.4	.8		651	1.6			872	1.9	.5		1528	7.6	1.2	.1	1524
CATEGORY B	3.4	.8		651	1.8	.1		872	2.1	.7		1530	8.4	2.0	.3	1528

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.4	3.4	.1	1459	15.4	4.3	.1	1101	11.7	2.2		837	8.3	2.8		651
CATEGORY B	12.9	5.1	.9	1468	16.4	5.7	.5	1101	11.7	2.2		837	8.3	2.8		651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.2	2.2	.0	6449	7.6	1.9	.0	8623
CATEGORY B	9.7	3.0	.4	6464	8.3	2.6	.3	8638

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.2	1.1		630	1.4	.1		851	1.3	.1		1499	4.9	.5	.1	1505
CATEGORY B	5.2	1.1		630	1.4	.1		851	1.5	.2		1501	7.2	1.7	.1	1505

  

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.2	2.0		1435	11.4	2.8	.1	1067	9.8	1.9		810	11.1	2.4		630
CATEGORY B	10.2	4.5	.8	1438	12.5	3.9	.6	1068	9.8	1.9		810	11.1	2.4		630

  

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.5	1.3	.0	6316	6.3	1.2	.0	8427
CATEGORY B	7.8	2.4	.3	6322	7.2	2.0	.2	8433

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.7			651	.1			850	.5			1468	4.8	.1		1486
CATEGORY B	1.7			651	.1			851	.7			1468	5.6	1.1		1487

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.8	.7		1411	10.3	2.2	.2	1073	8.1	1.8		837	5.7	.6		651
CATEGORY B	8.1	1.5		1416	11.1	2.5	.3	1073	8.1	1.8		837	5.7	.6		651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.6	.8	.0	6275	4.8	.7	.0	8427
CATEGORY B	6.3	1.3	.0	6281	5.3	1.0	.0	8434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.9			651	.6			849	.5			1476	4.1	.2		1495
CATEGORY B	.9			651	.6			849	.7			1476	5.1	.7		1497

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.4	1.1		1428	9.0	1.8		1075	8.0	1.9		810	4.9	1.4		651
CATEGORY B	8.4	2.7	.1	1433	9.5	2.6	.2	1075	8.0	1.9		810	4.9	1.4		651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.4	.8		6284	4.5	.7		8435
CATEGORY B	6.0	1.5	.0	6291	5.0	1.2	.0	8442

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.6	.5		630	1.0	.1		814	1.2	.1	.1	1391	4.8	.1		1392
CATEGORY B	1.6	.5		630	1.0	.1		814	1.1	.1	.1	1394	5.2	.1		1392

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.3	.4		1333	6.9	1.3		1013	5.0	.9		780	2.7	.5		630
CATEGORY B	7.2	1.0	.1	1341	7.4	1.8		1013	5.0	.9		780	2.7	.5		630

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.7	.5	.0	5909	3.9	.4	.0	7983
CATEGORY B	5.1	.7	.1	5920	4.2	.6	.0	7994

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.9	.5		651	1.5	.5		823	1.6	.3		1451	5.1	1.0	.1	1449
CATEGORY B	2.9	.5		651	1.5	.5		823	1.6	.6		1451	5.4	1.4	.1	1452

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.6	1.6		1394	9.1	1.9		1075	4.9	1.4		813	2.3	.3		651
CATEGORY B	8.3	2.7		1394	9.1	2.3	.1	1076	4.9	1.4		813	2.3	.3		651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.5	1.2	.0	6182	4.7	1.0	.0	8307
CATEGORY B	5.8	1.7	.0	6186	4.8	1.3	.0	8311

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.4			630	1.4			709	1.3	.4		1324	2.7	.7		1355
CATEGORY B	1.4			630	1.4			709	1.9	.5		1336	3.1	.9		1373

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.0	1.0	.2	1332	4.4	.8		1065	2.3	.4		777	1.7	.2		630
CATEGORY B	7.5	1.7	.4	1343	4.4	.8	.2	1065	2.3	.4		777	1.7	.2		630

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.6	.7	.0	5853	3.1	.5	.0	7822
CATEGORY B	4.0	.9	.1	5894	3.4	.7	.1	7863

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.7	.2		651	2.4	.1		735	2.7	.8		1303	3.7	1.3	.1	1339
CATEGORY B	1.7	.2		651	2.4	.1		735	3.0	.8	.1	1314	3.9	1.6	.2	1354

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.1	1.6	.1	1326	5.7	1.4		1104	3.6	.7		744	2.5			651
CATEGORY B	5.2	1.6	.1	1333	5.7	1.4		1105	3.6	.7		744	2.5			651

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.2	1.2	.0	5816	3.7	.9	.0	7853
CATEGORY B	4.3	1.2	.1	5850	3.8	1.0	.1	7887

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.4	.3		7518	1.7	.2	.0	9326	2.0	.5	.0	17092	5.4	1.0	.1	17365
CATEGORY B	2.4	.3		7518	1.7	.2	.0	9327	2.3	.6	.0	17150	6.2	1.7	.1	17436

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.1	1.8	.1	16820	9.5	2.4	.1	13133	7.1	1.6	.0	9294	4.3	.8		7517
CATEGORY B	9.3	3.1	.3	16885	10.1	3.1	.3	13150	7.1	1.6	.0	9294	4.3	.8		7517

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.2	1.4	.1	73704	5.3	1.2	.0	98065
CATEGORY B	6.8	2.0	.2	73915	5.8	1.6	.1	98277





PPPPPPP	AAAAA	RRRRRRR	TTTTTTTT	HH	HH
PPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPP	AA AA	RRRRRRR	TT	HHHHHHHH	HHHHHHHH
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H  
DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: JAN 51 - DEC 66

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951	1108	806	833	379	174	69			45	424	809	1168	5815
1952	1162	947	949	394	116	29			31	284	980	1012	5904
1953	751	809	641	512	326	21			12	353	608	1166	5199
1954	955	778	794	325	116	77			62	384	656	1123	5270
1955	1421	1140	821	494	225	58			104	344	840	903	6350
1956	951	1171	695	426	156	16		2	42	357	926	1119	5861
1957	1271	690	651	448	227	43			91	404	907	978	5710
1958	1090	636	780	503	116	3			98	336	848	915	5325
1959	950	825	712	382	255	17			147	376	829	1170	5663
1960	1319	974	632	413	181	6		15	18	364	689	1101	5712
1961	1182	749	714	453	186	4			179	442	907	1049	5865
1962	1324	878	818	326	203	64	2	9	29	300	679	1136	5768
1963	1359	694	766	570	83	94		1	15	207	728	1248	5765
1964	1224	1010	875	507	262	89		27	94	322	796	932	6138
1965	928	814	843	367	277	33		3	181	298	547	1128	5419
1966	1106	918	703	442	83	14		3	45	449	655	1168	5586
MEAN	1131	864	764	433	186	39	0	3	74	352	775	1082	
SD	187.09	154.06	90.88	70.60	72.52	31.16	.50	7.45	56.06	63.06	126.75	104.83	

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT  
LST TO UTC: + 7

PERIOD OF RECORD: JAN 51 - DEC 66

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1951					34	122	426	338	91	5			1016
1952				3	31	175	408	458	147	1			1223
1953						171	517	424	162	11			1265
1954				2	92	166	497	330	137	9			1233
1955					16	164	394	425	156	2			1157
1956				1	64	250	420	328	150	5			1218
1957					11	193	446	431	109	6			1196
1958					129	247	385	453	158	5			1377
1959				11	22	299	458	332	105	2			1229
1960				1	46	255	508	313	158	11			1292
1961				1	51	326	494	419	71				1362
1962				9	46	204	377	344	130	31			1141
1963					36	78	454	440	146	36			1190
1964					58	121	484	355	59	2			1079
1965				8	9	106	417	297	40	5			882
1966					95	204	513	356	156	1			1325
MEAN				2	46	192	449	376	123	8			
SD				3.66	35.17	69.56	47.78	54.58	39.55	10.46			

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A W S CLIMATIC BRIEF (LIMITED) AUG 90	STATION NAME: DUGWAY PROVING GROUNDS/MICHAEL AAF UT												FIELD ELEV: 4349 FT	
	LATITUDE/LONGITUDE: 40 12 N 112 56 W												STATION MSC: 690110	
	MONTHLY OBS POR: 6005-7012, 7301-7606, 8401-9004												CALL SIGN: KDPG	
	SUMMARY OF DAY POR: 4306-4601, 4912-6702 (FULL TIME), 6703-7606, 8407-9004 (PART TIME - CLOSED WEEKENDS)												HOURS SUMMARIZED: 00-23 LST (EXCEPT VARIABLE HOURS 6703-7606 AND 06-17 LST 8401-9004)	
	LST TO UTC: +07												SUPERSEDES: JUN 74	
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
2 EXTRM MAX TEMP (F)	66	70	80	95	97	107	109	105	101	89	78	64	109	44
MEAN MAX TEMP (F)	38	44	52	62	73	83	94	91	80	67	50	39	65	36
MEAN TEMP (F)	27	34	40	50	60	69	78	76	65	53	39	29	52	36
MEAN MIN TEMP (F)	17	24	28	36	46	54	63	60	49	38	27	19	38	36
2 EXTRM MIN TEMP (F)	-25	-27	-6	13	21	31	27	39	27	17	-8	-17	-27	44
D/W TEMP GE 100 (F)	0	0	0	0	0	1	4	1	#	0	0	0	6	36
D/W TEMP GE 90 (F)	0	0	0	#	1	10	25	21	5	0	0	0	62	36
D/W TEMP LT 33 (F)	28	23	22	10	2	#	#	0	1	8	22	28	144	36
D/W TEMP LT 0 (F)	3	1	#	0	0	0	0	0	0	0	1	1	6	36
22 HEATING DEGREE DAYS	1131	864	764	433	186	39	#	3	74	352	775	1082	5703	16
22 COOLING DEGREE DAYS	0	0	0	2	46	192	449	376	123	8	0	0	1196	16
MEAN DEWPOINT TEMP (F)	16	22	22	26	31	37	40	41	34	29	26	20	29	20
MEAN WET BULB TEMP (F)	23	30	33	40	47	53	59	57	50	42	34	25	41	20
99.95% WCPA (FT)	4950	4900	4950	4950	4800	4750	4550	4550	4700	4750	4800	4900	4850	20
MEAN REL HUM 07 LST(%)	74.7	75.3	68.3	60.1	51.2	45.4	39.1	44.0	50.3	60.2	71.9	78.4	59.4	20
MEAN REL HUM 13 LST(%)	57.9	52.8	40.9	33.4	27.5	25.0	19.8	21.8	26.7	34.3	47.2	62.4	37.3	20
2 MAX 24HR PRECIP (IN)	.79	.84	2.84	.95	.96	1.15	1.11	1.01	1.17	1.02	.95	.71	2.84	44
2 MAX PRECIP (IN)	1.54	1.58	4.86	1.95	2.96	2.46	1.89	1.89	3.16	2.00	1.48	2.33	15.07	44
MEAN PRECIP (IN)	.48	.55	.73	.80	.70	.76	.35	.51	.44	.50	.51	.60	6.86	36
2 MIN PRECIP (IN)	#	.01	#	.08	.04	.00	#	#	.00	.00	#	#	3.27	44
D/W PRECIP GE .01 (IN)	5	5	5	6	5	4	4	4	3	4	4	6	55	36
D/W PRECIP GT .50 (IN)	#	1	1	1	1	1	1	#	1	1	#	#	8	36
2 MAX 24HR SNFL (IN)	5.7	5.1	4.8	4.0	3.7	#	0	0	#	1.0	6.0	4.4	6.0	36
2 MAX SNFL (IN)	10.0	11.8	15.6	7.8	6.4	#	0	0	0	7.0	8.2	15.6	28.4	44
MEAN SNFL (IN)	3.9	3.3	3.5	1.3	.5	#	0	0	0	.1	2.0	3.7	18.9	36
D/W SNFL GE .1 (IN)	4	3	2	1	1	0	0	0	0	1	2	3	17	36
D/W SNFL GE 1.5 (IN)	1	1	1	1	#	0	0	0	0	0	1	1	6	36
2 MAX DLY SNO DEPTH (IN)	8	10	9	3	2	0	0	0	0	1	7	12	12	44
PRVING WND DIR (DEG)	\$14-16	\$14-16	\$17-19	17-19	\$17-19	\$17-19	17-19	\$17-19	\$14-16	\$14-16	\$14-16	\$14-16	\$17-19	20
MEAN WND SPD (KTS)	4	4	6	6	6	5	5	5	5	4	4	3	5	20
MAX WND SPD (KTS)	64	50	59	81	62	58	62	56	52	54	68	45	81	27
SKY COVER GT 5/10 (%)	59.5	58.7	56.6	57.9	50.4	36.9	29.5	29.5	28.3	35.0	54.4	61.5	46.3	20
D/W THUNDERSTORMS	#	#	1	1	2	2	4	4	2	1	1	1	19	33
D/W FOG (VSBY LT 7 MI)	6	4	2	2	1	1	0	#	1	1	2	7	27	33
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION														

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	9.1	4.1	4.1	3.7	1.1	.5	.0	.0	.0	.5	4.3	17.7	3.8	7
	03 - 05	9.0	4.6	3.6	2.8	1.3	.6	.0	.0	.2	.4	3.5	17.6	3.6	14
	06 - 08	11.8	7.6	5.6	4.7	1.9	1.1	.0	.1	.1	1.1	3.3	18.0	4.6	20
	09 - 11	11.4	8.2	5.7	5.1	2.5	.9	.1	.0	.5	2.6	4.5	16.3	4.8	20
	12 - 14	10.0	8.5	5.5	5.1	2.5	.8	.1	.0	1.4	2.4	3.3	12.8	4.4	20
	15 - 17	8.7	6.4	5.6	5.6	2.1	1.0	.1	.7	.7	2.8	2.0	10.4	3.8	20
	18 - 20	8.1	4.1	3.4	5.3	2.3	.7	.0	.7	.0	1.2	2.7	12.2	3.4	14
	21 - 23	9.5	2.7	4.2	3.5	.9	.0	.0	.0	.0	.9	3.7	14.7	3.3	7
	ALL	10.0	6.5	5.0	4.7	2.0	.8	.0	.2	.5	1.7	3.4	14.9	4.1	20
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	8.0	2.4	1.7	2.0	.6	.0	.0	.0	.0	.0	1.9	13.8	2.5	7
	03 - 05	7.9	3.2	2.5	.7	.6	.2	.0	.0	.1	.1	2.1	12.8	2.5	14
	06 - 08	9.7	5.6	3.4	2.4	.5	.3	.0	.0	.1	.6	1.9	14.3	3.2	20
	09 - 11	10.0	6.1	3.0	2.2	.6	.1	.1	.0	.3	1.0	3.2	13.5	3.3	20
	12 - 14	8.1	4.9	2.5	2.3	.4	.1	.1	.0	.4	1.0	1.9	10.4	2.7	20
	15 - 17	6.5	2.9	3.1	3.1	.2	.6	.1	.2	.1	.8	.7	7.3	2.1	20
	18 - 20	5.8	1.6	2.6	2.4	.7	.0	.0	.4	.0	.1	1.4	7.4	1.9	14
	21 - 23	7.8	.7	2.4	2.0	.2	.0	.0	.0	.0	.0	2.4	10.3	2.1	7
	ALL	8.2	4.0	2.8	2.2	.5	.2	.0	.1	.2	.6	2.0	11.4	2.6	20
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	7.4	2.4	1.0	.9	.6	.0	.0	.0	.0	.0	1.3	9.8	1.9	7
	03 - 05	7.2	3.1	1.7	.3	.5	.2	.0	.0	.0	.1	1.8	10.5	2.1	14
	06 - 08	8.4	3.7	2.7	1.3	.4	.2	.0	.0	.1	.4	1.3	11.5	2.5	20
	09 - 11	8.4	4.1	2.0	1.3	.4	.0	.1	.0	.1	.6	2.3	10.9	2.5	20
	12 - 14	6.3	2.7	1.4	1.1	.3	.0	.1	.0	.2	.6	1.3	7.7	1.8	20
	15 - 17	5.2	2.4	1.5	1.1	.1	.0	.0	.0	.1	.3	.6	6.1	1.4	20
	18 - 20	5.0	.9	1.6	.8	.4	.0	.0	.0	.0	.0	.5	6.3	1.3	14
	21 - 23	6.3	.7	1.2	.6	.2	.0	.0	.0	.0	.0	1.4	8.4	1.6	7
	ALL	6.9	2.6	1.8	1.0	.3	.1	.0	.0	.1	.3	1.3	9.0	1.9	20
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	2.8	1.5	.3	.0	.0	.0	.0	.0	.0	.0	.5	4.5	.8	7
	03 - 05	2.6	1.2	.3	.0	.0	.1	.0	.0	.0	.0	.6	6.3	.9	14
	06 - 08	3.7	1.5	.8	.0	.0	.0	.0	.0	.0	.3	.5	6.1	1.1	20
	09 - 11	3.5	1.3	.9	.0	.1	.0	.0	.0	.0	.1	.9	4.1	.9	20
	12 - 14	2.1	.4	.2	.1	.1	.0	.0	.0	.0	.1	.4	1.6	.4	20
	15 - 17	2.2	.5	.2	.3	.0	.0	.0	.0	.0	.0	.1	.7	.3	20
	18 - 20	2.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.3	1.1	.4	14
	21 - 23	2.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	.5	7
	ALL	2.8	.9	.4	.1	.1	.0	.0	.0	.0	.1	.5	3.4	.7	20

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : a SUMMARY OF THE DAY DATA SUPPLEMENTED FROM:

CLIMATOLOGICAL DATA (NCDC PUBLICATION) FOR UTAH (DUGWAY DATA: 1976-1984).

aa HEATING/COOLING DEGREE DAY DATA DERIVED FROM DUGWAY HOURLY OBSERVATIONS, POR: 5101-6612.

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